UNI University of Northern Iowa

Programs and Courses Catalog

2023-2024

Catalog Home

2023-2024 Catalog

- effective Summer 2023
- published March 2023

This University of Northern Iowa catalog is a one-year publication. Catalogs prior to 2016 were two-year publications.

The catalog contains general information regarding fees, related policies and procedures, and curriculum requirements.

New courses and programs take effect in the Summer semester.

Every effort has been made to make this information accurate as of the date of publication; however, all policies, procedures, fees and charges are subject to change at any time by appropriate action of the faculty, the university administration, or the Board of Regents, State of Iowa.

Searching the Catalog

An efficient means to search the current catalog for specific content is to create and save as a PDF, and then perform a search. To create a PDF of the entire 2023-24 catalog, do the following:

- Go to *Print Options* link which is located at the top of any catalog page
- Click on the link - it will give you various *Download Options* - choose *Download PDF of the entire Catalog*
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- You can then do a *Find* (Search) for specific catalog content at any time

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Academic Calendar

Summer Session, 2023

May 15	Mon., instruction begins, 7:30 a.m.
May 29	Mon., holiday (offices closed)
July 4	Tue., holiday (offices closed)
August 4	Fri., summer session ends, 4:30 p.m.

(May/June/July session - 12 weeks)

May 15	Mon., instruction begins, 7:30 a.m.
August 4	Fri., May/June/July session ends, 4:30 p.m.

(May session - 4 weeks)

May 15	Mon., instruction begins, 7:30 a.m.
June 9	Fri., May session ends, 4:30 p.m.

(May/mid-June session - 6 weeks)

May 15	Mon., instruction begins, 7:30 a.m.
June 23	Fri., May/mid-June session ends, 4:30 p.m.

(June session - 4 weeks)

June 12	Mon., instruction begins, 7:30 a.m.
July 7	Fri., June session ends, 4:30 p.m.

(June/July session - 8 weeks)

June 12	Mon., instruction begins, 7:30 a.m.
August 4	Fri., June/July session ends, 4:30 p.m.

(mid-June/July session - 6 weeks)

June 26	Mon., instruction begins, 7:30 a.m.
August 4	Fri., mid-June/July session ends, 4:30 p.m.

(July session - 4 weeks)

July 10	Mon., instruction begins, 7:30 a.m.
August 4	Fri., July session ends, 4:30 p.m.

Fall Semester, 2023

August 21	Mon., instruction begins, 8:00 a.m.
September 4	Mon., holiday (offices closed)
October 13	Fri., first half semester ends, 10:00 p.m.
October 16	Mon., second half semester begins, 8:00 a.m.
November 20-24	Mon.-Fri., Fall break
December 11-15	Mon.-Fri., final examinations
December 15	Fri., semester ends, 10:00 p.m.
December 16	Sat., commencement

Winter Term, 2023-2024

December 18	Mon., instruction begins, 8:00 a.m.
December 25-26	Mon.-Tues., holiday (offices closed)
January 1	Mon., holiday (offices closed)
January 12	Fri., term ends, 10:00 p.m.

Spring Semester, 2024

January 16	Tues., instruction begins, 8:00 a.m.
March 8	Fri., first half semester ends, 10:00 p.m.
March 11-15	Mon.-Fri., spring break
March 18	Mon., second half semester begins, 8:00 a.m.
May 6-10	Mon.-Fri., final examinations
May 10	Fri., semester ends, 10:00 p.m.
May 11	Sat., commencement

Summer Session, 2024

May 13	Mon., instruction begins, 7:30 a.m.
May 27	Mon., holiday (offices closed)
July 4	Thurs., holiday (offices closed)
August 2	Fri., summer session ends, 4:30 p.m.

(May/June/July session - 12 weeks)

May 13	Mon., instruction begins, 7:30 a.m.
August 2	Fri., May/June/July session ends, 4:30 p.m.

(May session - 4 weeks)

May 13	Mon., instruction begins, 7:30 a.m.
June 7	Fri., May session ends, 4:30 p.m.

(May/mid-June session - 6 weeks)

May 13	Mon., instruction begins, 7:30 a.m.
June 21	Fri., May/mid-June session ends, 4:30 p.m.

(June session - 4 weeks)

June 10	Mon., instruction begins, 7:30 a.m.
July 5	Fri., June session ends, 4:30 p.m.

(June/July session - 8 weeks)

June 10	Mon., instruction begins, 7:30 a.m.
August 2	Fri., June/July session ends, 4:30 p.m.

(mid-June/July session - 6 weeks)

June 24	Mon., instruction begins, 7:30 a.m.
August 2	Fri., mid-June/July session ends, 4:30 p.m.

(July session - 4 weeks)

July 8	Mon., instruction begins, 7:30 a.m.
August 2	Fri., July session ends, 4:30 p.m.

Fall Semester, 2024

August 26	Mon., instruction begins, 8:00 a.m.
September 2	Mon., holiday (offices closed)
October 18	Fril, first half semester ends, 10:00 p.m.
October 21	Mon., second half semester begins, 8:00 a.m.
November 25-29	Mon.-Fri., Fall break
December 16-20	Mon.-Fri., final examinations
December 20	Fri., semester ends, 10:00 p.m.
December 21	Sat., commencement

General Information

This catalog is published for students and other persons who want to know more about the University of Northern Iowa. Its purpose is to communicate as objectively and completely as possible what the university is and what it does. The catalog is presented in sections to give a general view of the university as well as the detailed information required for informed decision making. Further information can be obtained on the university's homepage https://uni.edu/.

The University and Its Programs

History

The university was established in 1876 by enactment of the Iowa General Assembly, and opened on September 6, 1876, as the Iowa State Normal School - "a school for the special instruction and training of teachers for the common schools of the state." The university offers a broad curriculum at both the undergraduate and graduate levels. Five conventional baccalaureate degrees are offered:

- the Bachelor of Arts,
- the Bachelor of Science,
- the Bachelor of Fine Arts,
- the Bachelor of Music, and
- the Bachelor of Social Work.

The university also offers two additional baccalaureate degrees:

- the Bachelor of Applied Science (B.A.S.) degree which offers educational opportunities to those students who have completed an A.A.S. degree and are now seeking to complete a four-year degree. These students are often place-bound and need to take online classes while remaining a full-time employee,
- the external degree of Bachelor of Liberal Studies, an external degree offered in cooperation with the University of Iowa and Iowa State University.

On the graduate level, thirteen degrees are offered:

- the Master of Accounting,
- the Master of Arts,
- the Master of Arts in Education,
- the Master of Athletic Training,
- the Master of Business Administration,
- the Master of Music,
- the Master of Public Policy,
- the Master of Science,
- the Master of Social Work,
- the Professional Science Master’s,
- the sixth-year Specialist in Education degree, and
- the Doctor of Education degree.

Location

The university is located in Cedar Falls, Iowa, which has a population of approximately 39,000, with the Cedar Falls-Waterloo greater metropolitan area having a population of more than 169,000. Together with the University of Iowa and Iowa State University, the University of Northern Iowa is governed by the Board of Regents, State of Iowa.

Mission

Established as the Iowa State Normal School, the institution was renamed the Iowa State Teachers College in 1909 and under this title attained a national reputation and status as a leading institution in the field of teacher education. By enactment of the Iowa General Assembly on July 5, 1961, the name of the college was changed to the State College of Iowa and degree programs were added for those not planning to teach. The change to the University of Northern Iowa was effected on July 1, 1967, following enactment by the Iowa General Assembly on the recommendation of the Board of Regents, State of Iowa. Its current statement of mission was approved by the Board of Regents, State of Iowa:

> Within a challenging and supportive environment, the University of Northern Iowa engages students in high-quality and high-impact learning experiences and emphasizes excellence in teaching and scholarship.

Memberships and Accreditation

The University of Northern Iowa is a member of the American Association of State Colleges and Universities (AASCU), the American Association of Colleges for Teacher Education (AACTE), and the Council of Graduate Schools in the United States (CGS). The university is accredited through the doctoral degree (Doctorate of Education) by the Higher Learning Commission (HLC).

Higher Learning Commission
230 South LaSalle Street, Suite 7-500
Chicago, IL, 60604
800-621-7440

Academic programs of the university have been accredited by the following professional accrediting agencies: the Association to Advance Collegiate Schools of Business (AACSB - International), the National Association of Schools of Music (NASM), the Council on Social Work Education (CSWE), the American Speech-Language-Hearing Association (ASHA), the Accreditation Board for Engineering and Technology (ABET), the Foundry Educational Foundation (FEF), the Accrediting Council for Collegiate Graphic Communication (ACCGC), the Council for Interior Design Accreditation (CIDA), the National Association of Schools of Theatre (NAST), The Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT), and the National Association of School Psychologists (NASP). The Culture and Intensive English Program (CIEP) is accredited by the Commission on English Language Program Accreditation (CEA). The MATR (Master of Athletic Training) is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). In addition, the Council for Accreditation of Counseling and Related Educational Programs (CACREP), a

specialized accrediting body recognized by the Council on Higher Education Accreditation (CHEA), has conferred accreditation for the two master's level programs in counseling, Clinical Mental Health Counseling and School Counseling, both from the Department of Family, Counseling, & Aging. The Master of Public Policy (MPP) is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA).

Other programs at the University of Northern Iowa have also been approved by external organizations. Teacher preparation programs at the University of Northern Iowa have received approval from the Iowa State Department of Education, the Department of Chemistry has approval from the American Chemical Society (ACS), and the B.A. in Family Services is an approved program for educating Certified Family Life Educators by the National Council on Family Relations (NCFR).

Within the Division of Student Life, the Student Health Center is accredited by the Accreditation Association for Ambulatory Health Care (AAAHC), the Health Clinic Laboratory is accredited by the Commission on Office Laboratory Accreditation (COLA), and the Counseling Center is accredited by the International Association of Counseling Services (IACS).

UNI is committed to the assessment of student learning for the ongoing improvement of curriculum, programs, and services offered by the university and for accreditation processes. Assessment of academic programs is managed through the cycle of Academic Program Review, which includes both internal and external review processes. In addition to Academic Program Review, other assessment activities and the collection of data related to student learning outcomes are managed through the resources and leadership of the Office of Undergraduate Studies (assessment.uni.edu), the Dean of the Graduate College (grad.uni.edu) and the Office of Institutional Effectiveness and Planning (ie.uni.edu).

Academic Structure

College of Business

https://business.uni.edu/

Considered a global leader in business education with a culture of achievement and a record of excellence, UNI graduates are leading the way to a bigger, brighter future for all of us. Students arrive at UNI curious, ready to explore, experience and learn business, and they graduate 'ready for business'. It’s because our program is like no other. We'll take you from coursework to real work so at graduation you can start to achieve more on day one. When you start here, you can go anywhere.

As one of the nation’s top-ranked and internationally recognized business colleges, UNI offers more than 25 undergraduate business programs, plus elite MBA and MAcc graduate programs, valuable internships, study abroad experiences, certifications, supported by an influential faculty and professional mentors. It’s why students serious about a future in business seriously consider UNI.

Plus, to ensure you’re ready for business day one, you’ll participate in the nation’s only industry-leading Professional Readiness Program® where you develop critical soft skills that apply your business education to the real world. You will hone skills such as communication, a growth mindset, emotional intelligence, adaptability, and active listening – skills demanded by today’s employers.

UNI Business College Rankings and Accreditations:

- UNI Business College has earned accreditation from the Association to Advance Collegiate Schools of Business (AASCB). Fewer than five percent of business schools worldwide have earned the distinction, making it the gold standard of business school accreditation.
- UNI MBA program named “A Best Business School” by the *Princeton Review* for 10+ years.
- UNI part-time Business MBA program has been listed among the top part-time MBA programs by U*.S. News & World Report*, the most widely sought-after university recognition source in the world.
- UNI Accounting graduates consistently place in the top 10 nationwide for success on the CPA exam.

Choose from programs in five different departments, Accounting, Economics, Finance, Management, and Marketing and Entrepreneurship, to earn a Bachelor of Arts (B.A.) degree, minor or professional certification:

Majors/Emphasis Area

- Accounting
- Business Analytics
- Business Teaching
- Economics: Applied Economics Analysis
- Economics: Business Economics
- Economics: General Economics
- Economics: Quantitative Techniques
- Finance: Financial Management
- Finance: Investments
- Finance: Personal Wealth Planning
- Human Resource Management
- Marketing and Entrepreneurship: Advertising and Digital Media
- Marketing and Entrepreneurship: Marketing Management
- Marketing and Entrepreneurship: Sales Management
- Management Information Systems
- Management: Business Administration
- Management: Organizational Leadership
- Real Estate
- Supply Chain Management

Minors

- Business Communication
- Economics
- Entrepreneurship
- Finance
- General Business Concepts
- International Business
- Organizational Leadership
- Real Estate

Certificates

- Business of Healthcare
- Financial and Real Estate Sales
- Sustainability
- Entrepreneurship
- International Business, Culture and Language

Many of our programs allow students to earn a professional credential, including:

- Certified Associate in Project Management (CAPM®)
- Chartered Financial Analyst® (CFA®)
- Certified Financial Planner® (CFP®)
- Certified General Appraiser
- Certified Global Business Professional (CGBP®)
- Certified Property Management
- Certified Public Accountant (CPA)
- Expanded Career Option for Secondary Teacher Licensure
- Six Sigma Green Belt

Go the next step within one of our acclaimed UNI graduate programs: the highly competitive Master of Accounting (MAcc) or the lauded

Master of Business Administration (MBA) degree. With an emphasis on future-focused innovation and what's next, experiential learning plus face-to-face interactions with professors and industry leaders, you'll gain the deep knowledge to achieve beyond. The MAcc program is elite with small class sizes taught by faculty with significant industry experience. Our innovative MBA program, with locations in Pella, Mason City, and Shanghai, has been named a Best Business School by the *Princeton Review* every year for more than a decade.

To earn an undergraduate business degree, students must take at least 30 hours of business courses at UNI.

College of Education

https://coe.uni.edu/

The College of Education includes six instructional units. Programs offered in this college lead to the degrees of Bachelor of Arts (B.A.), Master of Arts (M.A.), Master of Arts in Education (M.A.E.), Specialist in Education (Ed.S.), and Doctor of Education (Ed.D.).

The Doctor of Education Degree is one degree supervised through the College of Education. It can be completed with one of the following Intensive Study Area concentrations: Allied Health, Recreation and Community Services; Curriculum and Instruction; Educational Leadership; or Postsecondary Education: Student Affairs.

The various units which comprise the college are described below:

Curriculum and Instruction

Undergraduate majors in early childhood education, elementary education, middle level education; undergraduate minors in early childhood, literacy education, social studies, social and emotional learning, and educational technology; Iowa teaching endorsements in school library studies and reading k-8. Graduate degree programs leading to a master's degree are offered in elementary education, early childhood education, instructional technology, literacy education, and school library studies, as well as the Doctoral Intensive Study Area in Curriculum and Instruction. For further information, visit the website https://coe.uni.edu/ci.

Educational Psychology, Foundations, and Leadership Studies

The Department of Educational Psychology, Foundations, and Leadership Studies offers the following graduate programs and program certificates: M.A.E. Principalship; M.A. Postsecondary Education: Student Affairs; M.A. Teacher Leadership for International Educators; M.A.E. Context and Techniques of Assessment; and Ed.S. School Psychology. The last two are both associated with EPFLS' National Association of School Psychologists (NASP) approved School Psychology Program. Additionally, there are two program certificates in Principalship and Superintendency Preparation. Finally, the department houses two Doctoral Intensive Study Areas in Educational Leadership and Postsecondary Education: Student Affairs. Specific requirements for these graduate programs and program certificates are listed within the Department of Educational Psychology, Foundations, and Leadership Studies section of this catalog.

There are no undergraduate majors in the Department of Educational Psychology, Foundations, and Leadership Studies. However, there is one minor (Educational Studies), and the department is responsible for multiple courses required of all prospective teachers and provides core courses for many graduate programs. For further information, visit the website https://coe.uni.edu/epfls.

Health, Recreation and Community Services

The Department of Health, Recreation and Community Services offers graduate and undergraduate majors in Recreation, Tourism and Nonprofit Leadership, Environmental Resource Management, as well as Doctoral Intensive Study Area in Allied Health, Recreation and Community Services. The department also offers minors and/or program certificates in Nonprofit Management, Outdoor Recreation, Tourism, and Youth Work in Religious Settings. National certification as a therapeutic recreation specialist is also available. The department operates one center of excellence in the National Program for Playground Safety and the strong, nationally recognized Nonprofit Leadership Alliance. The department is endorsed by Nonprofit Leadership Alliance and the Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT). For further information, visit https://coe.uni.edu/hrcs.

Special Education

The Department of Special Education offers two undergraduate minors (Instructional Strategist and Early Childhood Special Education) as well as post baccalaureate or graduate coursework leading to one of the following special education teaching endorsements: Instructional Strategist I (K-8); Instructional Strategist I (5-12); Instructional Strategist II-Intellectual Disabilities (K-12); and Early Childhood Special Education. Coursework features multiple, intensive, supported field experiences in Pre-K settings and K-12 schools. The special education minor/endorsements complement elementary education, early childhood education, middle level education and/or secondary education majors, while enhancing teaching skills and competencies needed in diverse and inclusive schools. Graduate programs emphasize Field Specialization, Special Education Consultant, and Transition Programming for College and Careers. The Department also sponsors a student organization: *Student Council for Exceptional Children.* For further information, visit the website at https://coe.uni.edu/special-education.

Teaching

The Department of Teaching administers and supervises clinical experiences for UNI's undergraduate educator preparation program that include preK-12 classroom-based field experiences, human relations education, and student teaching. It collaborates with partner schools across the state, nation, and world to develop intensives and extensive classroom-based experiences. Information on the department may be found at the website https://coe.uni.edu/teaching.

College of Humanities, Arts and Sciences

https://chas.uni.edu/

The College of Humanities, Arts and Sciences (CHAS) engages students in high quality educational experiences, preparing them to live and work in our global and diverse world. The college is committed to an emphasis on teaching a broad range of undergraduate majors and well-focused graduate programs. Our scholarship encompasses everything from research and creative activity, to distinguished service to our community, state, professions, and society.

The College of Humanities, Arts and Sciences, which offers a diverse and exciting array of coursework, is comprised of 14 departments:

- Applied Engineering & Technical Management
- Art
- Biology
- Chemistry and Biochemistry
- Communication and Media
- Communication Sciences and Disorders
- Computer Science
- Earth and Environmental Sciences
- Languages and Literatures
- Mathematics
- School of Music
- Philosophy and World Religions
- Physics
- Theatre

Three interdisciplinary programs are also part of the college: Interactive Digital Studies, a program shared across campus but housed in Communication and Media; Science Education, which offers undergraduate and graduate programs; and Women's and Gender Studies, a campus wide program primarily housed in the College of Social and Behavioral Sciences.

Undergraduate degrees offered by CHAS include the Bachelor of Arts (B.A.), B.A.-Teaching, Bachelor of Fine Arts (B.F.A.), Bachelor of Music (B.M.), B.M.–Teaching, Bachelor of Science (B.S.), and Bachelor of Applied Science (B.A.S.). Graduate degrees available are the Master of Arts (M.A.), Master of Science (M.S.), Master of Music (M.M.), and Professional Science Master’s (P.S.M.). In addition, the college serves students across campus with an extensive set of minors, certificates, and UNIFI/General Education, elective, and service courses.

CHAS faculty have engaged students in study abroad programs (including coursework and concert tours, for example) in more than a dozen countries such as China, Ecuador, Ireland, Italy and more. Students also study in our community, actively participating in service learning projects which are often embedded in our coursework.

The College of Humanities, Arts and Sciences is proud of its excellent facilities, including the Gallagher Bluedorn Performing Arts Center. In these facilities, CHAS hosts many applied and extracurricular experiences for community members, CHAS majors and non-CHAS majors that include: music and theatre festivals, speech events, and physics competitions. These activities are in addition to the recitals and ensemble performances of individuals, ensembles, and symphonies in the School of Music, the productions staged by TheatreUNI and Interpreters Theatre, and the art exhibitions organized by the UNI Gallery of Art. Additional opportunities for applied learning and undergraduate research are available in many departments and allow undergraduate and graduate students to work with faculty and staff with modern equipment from day one. Credit and paid internship and employment experiences are found throughout the college. For example, students gain experience in arts management at the Gallagher Bluedorn, work on the *North American Review*, make discoveries in research labs, and televise live sports events.

Career opportunities for CHAS graduates are numerous and diverse, ranging from research scientists, actuaries, teachers, writers, and translators, to professional performers, artists and speech/hearing therapists.

College of Social and Behavioral Sciences

https://csbs.uni.edu/

The College of Social and Behavioral Sciences (CSBS) houses a diverse and inclusive community of teachers, scholars, learners, leaders and engaged citizens who work to understand human behaviors, structures and institutions, past and present, in order to address global, social and environmental issues.

CSBS houses the following divisions:

- Geography
- Health and Human Sciences, School of
  - Family, Aging & Counseling
  - Kinesiology & Athletic Training
  - Nursing & Public Health
  - Social Work
- History
- Interior Design and Textiles & Apparel
- Military Science
- Political Science
- Psychology
- Social Science Teaching
- Sociology, Anthropology, and Criminology
- Women's & Gender Studies

The college offers a wide variety of bachelor's degrees as well as unique minors, certificates, and interdisciplinary programs. CSBS also houses several graduate programs, including Athletic Training (MATR), Clinical Mental Health Counseling (MA), Geography (MA), History (MA), Kinesiology & Sport Performance (MA), Physical Education - Pedagogy (MA), Public Policy (MPP), School Counseling (MA), Social Work (MSW), and Women and Gender Studies (MA).

The college is the home of several professional programs and significant segments of the university’s course offerings in the UNIFI general education program. CSBS is committed to the principle that all UNI students, including those in more applied programs, should receive the benefits of a broad, well-rounded education.

The primary emphasis of the university and the College of Social and Behavioral Sciences is to provide high-quality, diverse, innovative and transformative educational experiences. In addition to regular classroom activities, students receive individualized instruction through field experiences, internship opportunities, individual study projects and experiential learning. Students have many opportunities to engage in research and teaching activities with faculty at both the undergraduate and graduate level. The college encourages students to participate in off-campus programs, including study abroad opportunities - many of which are led by CSBS faculty.

Career opportunities for graduates exist in a broad range of positions in public and social service, health fields, higher education, business, community development and beyond.

For additional information about the College of Social and Behavioral Sciences, contact:

College of Social and Behavioral Sciences
319 Sabin Hall
University of Northern Iowa
Cedar Falls, IA 50614-0403
319-273-2221
csbs.uni.edu

Division of Continuing Education and Special Programs

https://online.uni.edu/

The Division of Continuing Education and Special Programs offers a variety of services that enable the University to provide accessible educational offerings to Iowa residents. The Division works cooperatively with UNI academic departments and colleges to plan, support, and promote online and off-campus credit courses as well as undergraduate and graduate degree, endorsement, and certificate programs that are delivered online, off-campus, or in hybrid formats. The unit also supports workshops offered for credit. The Office of Online and Distance Education offers more than 1,100 sections annually, with students typically enrolled in all of Iowa's 99 counties.

The Office of Online and Distance Education also works with UNI academic departments in providing general Continuing Education Units (CEUs). CEUs are the nationally recognized unit for recording participation in non-credit continuing education courses.

For information about distance education programs and courses, or the establishment of such courses, visit:

Continuing Education and Special Programs
8106 Jennings Drive
CEEE Room 010
Cedar Falls, IA 50614-0223
call 319-273-7206
e-mail continuinged@uni.edu
visit https://continuinged.uni.edu/

Online and Distance Education - Guided Independent Study

For those who find it inconvenient to attend classes on campus, opportunities to learn and earn university credit are available through the Guided Independent Study program. More than 40 courses are available via this method of delivery. Guided Independent Study courses do not follow the regular semester schedule; students can enroll at any time, work at their own pace, and have up to nine months to complete the course. Program details are available by contacting:

Online and Distance Education Office
located at the Center for Energy and Environmental Education (CEEE Room 010)
8106 Jennings Drive
319-273-7206 or
view the information at https://online.uni.edu/distance/gis

Online and Distance Education Courses and Degree Programs

Each semester UNI offers a wide variety of courses, workshops, degree programs, and certification programs in different communities throughout Iowa using on-site delivery, video conferencing, eLearning and other distance education technologies. A majority of the courses and programs are designed for working professionals, especially those working in K-12 settings who are seeking advanced degrees, an additional endorsement/certification, or recertification hours. Courses and programs are also offered to business and industry employees and other groups who have specific educational needs. Information about distance education offerings can be found at: https://online.uni.edu/distance.

Individual Studies Program

https://continuinged.uni.edu/is

The Individual Studies Program is under the administrative umbrella of Division of Continuing Education and Special Programs. The following program options and course offerings are available through Individual Studies:

- National Student Exchange Program
- Exploratory Seminar: Self-Forming
- Interdisciplinary Readings
- Undergraduate Thesis
- Individual Study Project
- Individual Studies major
- General Studies major
- General Studies for Registered Nurses
- Bachelor of Liberal Studies degree
- Bachelor of Applied Science: Managing Business and Organizations

National Student Exchange Program

The University of Northern Iowa is affiliated with the National Student Exchange (NSE), a consortium of state colleges and universities throughout the country that arranges for students to study on various campuses as visiting students. The purpose of the exchange is to enable students to get better acquainted with different social and educational patterns in other areas of the United States, the U.S. territories and Canada while paying UNI tuition. NSE encourages students to experience new life and learning styles, learn more about themselves and others, and broaden their educational backgrounds through specialized courses or unique programs which may not be available at UNI. Students may exchange to one of 160+ colleges and universities such as Texas State University, University of Idaho, Montana State University and University of New Orleans.

Students make exchange preparations through the Individual Studies Office. Sophomores with at least a 2.50 grade point average may take part in the program for either a semester or an entire year. Financial aid and scholarship recipients should not be adversely affected by participation in the NSE program.

More information about the National Student Exchange is available at:

Individual Studies Office

8106 Jennings Drive (CEEE Room 010)
Cedar Falls, IA 50614-0285
319-273-2504

https://online.uni.edu/nse

Students initiate applications there under the advisement of the NSE Coordinator. Applications must be submitted in the spring semester prior to the academic year in which an exchange is planned.

Individual Studies Courses

Self-Forming Seminar (INDIVSTU 4192)

This course is a type of group independent study which allows students with a common interest to organize a time for study together with each member of the team often working on part of a larger problem or project. A faculty consultant must agree to evaluate the completed project at the end of the term.

Interdisciplinary Readings (INDIVSTU 4196)

This course allows the student to develop a program of readings on a topic not dealt within the university's regular course offerings. The reading list and the number of credit hours must be approved by a faculty member specifically chosen to supervise and aid the students work.

Undergraduate Thesis (INDIVSTU 4197)

The writing of a thesis is required of all Individual Studies majors. This six-credit project may take the form of a research paper, creative work, or application of knowledge gained from an internship or work-related experience. The thesis topic must be approved by the faculty advisor. Copies of Undergraduate Thesis Guidelines are available in the Individual Studies Office.

Individual Study Project (INDIVSTU 4198)

This course is an opportunity for research, creative work, or experience-oriented study in areas not usually covered by the university curriculum. The form of the project and the number of credit hours assigned to the project (usually 1-3) are worked out between the student and the faculty consultant selected.

Registration Procedures

All Individual Studies courses are listed in the semester schedule of classes and may be found by referring to the course offerings. In addition to listing the Individual Studies course on the registration form, the filing of a prospectus is required. The prospectus is a written contract between student and faculty consultant which states what will be done, how it will be done, and what constitutes a completed project. The prospectus must be signed by the consultant and turned in during the second week of classes. Copies of Guidelines for Independent Study are available in the Individual Studies Office. This handout answers many questions about the policies and procedures to be followed by students enrolled in Individual Studies courses.

Office of International Programs

https://internationalprograms.uni.edu/

The Office of International Programs (OIP) overseas the Culture and Intensive English Program, the International Students and Scholars Office, and the Study Abroad Center. OIP promotes the internationalization of UNI including: faculty, staff, and student mobility; academic cooperation and curriculum development; research collaborations and funding; the provision of culture and intensive English programs; the facilitation of international visitors to campus; the delivery of visa services for faculty and staff traveling on UNI business, and students traveling on university programs; and the development of international distance education, consultancy, and business opportunities. OIP is responsible for all international agreements involving UNI, for the safety of students traveling internationally on university activities, works with local organizations that engage internationally when that engagement is in UNI's interests, and serves as a liaison for international outreach activities to foreign governments, universities, and organizations.

For further information, contact:

Office of International Programs
113 Maucker Union
University of Northern Iowa
Cedar Falls, IA 50614-0164
Call 319-273-6807
Fax 319-273-6103
E-mail: oip@uni.edu

Culture and Intensive English Program

3025 Bartlett
University of Northern Iowa
Cedar Falls, IA 50614-0511
Call: 319-273-2182
Fax: 319-273-3333
E-mail: ciep@uni.edu

International Students and Scholars Office

113 Maucker Union
University of Northern Iowa
Cedar Falls, IA 50614-0164
Call: 319-273-6421
Fax: 319-273-6103
E-mail: international.services@uni.edu

Study Abroad Center

103 East Bartlett
University of Northern Iowa
Cedar Falls, IA 50614-0520
Call: 319-273-7078
Fax: 319-273-2921
E-mail: study-abroad@uni.edu

Other Educational Opportunities

Army Reserve Officers' Training Corps (ROTC) Program

Army ROTC offers scholarship opportunities during college, but the real benefits begin when you graduate and are commissioned as a Second Lieutenant. ROTC opens up opportunities for positions of responsibility while teaching you valuable leadership and management skills impressive to the top employers in business and industry. ROTC also helps you grow individually, improve self-confidence, discover your capabilities, and perform to your full potential. For further information see https://csbs.uni.edu/military-science.

Service-Learning

At the University of Northern Iowa, service-learning is a class-based experience, co-created with community partners, intended to expand and deepen discipline-specific knowledge and skills, strengthen the community, and develop a student's sense of civic responsibility. Service-learning is the integration of service and learning to enhance each.

In service-learning classes:

1. Students build **critical thinking and professional communication skills.**
2. Service-learning activities **align with academic coursework**, providing a deeper understanding of the academic discipline.
3. Service-learning activities **align with community strengths and needs.**
4. Faculty prepare students to **work with the community partner.**
5. Service-learning activities prepare students for **active citizenship and social responsibility.**
6. Faculty engage students in **purposeful and guided reflection.**
7. Service-learning builds students' cultural competence for **engaging with diverse populations in diverse settings.**

The University of Northern Iowa supports service-learning work and initiatives through the Service Learning Institutes and Course Designation.

Community College Partnerships

Several statewide partnerships exist between the Regent institutions and Iowa community colleges. These articulation agreements can be found in the publication, "The Public Connection" found on the website, http://www.transferiniowa.org/. The reverse credit transfer agreement allows students to complete their A.A. or A.S. degrees after transferring by using UNI courses to complete the A.A. or A.S. degrees. The Transfer Connection Program provides students enrolled at the community college an adviser from UNI to help plan a course of study at the community college. In addition, other partnerships, known as articulation agreements, have been developed between UNI and all Iowa community colleges for specific UNI baccalaureate degree programs. These agreements show specific courses that need to be taken at each school to complete a program. If available, an articulation agreement typically results in the quickest route to graduation for a transfer student.

UNI has developed numerous articulation agreements between Associate of Applied Science (A.A.S.) programs at the community colleges and various majors/programs at UNI, including Bachelor of Applied Science programs, which allows for a greater number of Career-Technical credits to transfer.

Additionally, UNI has developed an Elementary Education 2+2 Program. Students in this program can earn an A.A. or A.S. degree from an Iowa community college, or have completed a similar set of courses at another institution. Since most Elementary Education 2+2 students are place bound or career changing, the UNI course schedule of the Elementary Education 2+2 Program is offered through our Online and Distance Education Department. The Elementary Education 2+2 Program offers B.A. degrees in Elementary Education or Elementary/Middle Level Education dual majors. Minors currently available include Early Childhood Education, Literacy Education, and Social & Emotional Learning with more in development. Called the Elementary Education 2+2 Program, however, the time to complete the degree may take more than 4 years depending on individual circumstances.

For more information contact:

UNI Office of Admissions
Cedar Falls, IA
Phone 319-273-2281

Iowa Lakeside Laboratory Regents Resource Center

Iowa Lakeside Laboratory is a field station run cooperatively by the University of Northern Iowa, the University of Iowa, Iowa State University, and Drake University through the Board of Regents, State of Iowa.

The laboratory was established in 1909 for the conservation and study of the rich flora and fauna of northwest Iowa, especially those of the Iowa Great Lakes region with its numerous lakes, wetlands, and prairies. Its campus is located on approximately 140 acres of restored prairie, wetland, and gallery forest along the west shore of West Okoboji Lake. The mission of the Iowa Lakeside Laboratory Regents Resource Center (ILLRRC) is to provide facilities and programming as a field station and community resource to support scientific education, research, and outreach programs of the Regents universities and other institutions.

Lakeside offers students a unique educational experience: small, full-immersion, field-oriented courses. Most courses meet all day (8 a.m. to 5 p.m.) Monday through Friday. Course enrollments are usually limited to 11 students. Weather permitting, students normally spend at least part of each day doing fieldwork. Students from any college or university can take classes at Lakeside. If you are a student at the University of Iowa, Iowa State University, the University of Northern Iowa, or Drake University, your credits and grades are recorded at your home school. If you attend another college or university, your credits and grades are recorded at the University of Iowa.

Before registering, please check with your academic adviser to determine if specific courses can be used to satisfy major, minor, college or university requirements at your institution.

Lakeside students may reside on or off campus. Please click here for housing options. Undergraduate and graduate students are strongly encouraged to do independent projects at Lakeside, and graduate students are welcome to use it as a base for their thesis and dissertation research. Laboratory space and other facilities are available for long-term or short-term research projects. Endowed scholarships and other funding for coursework and research is available through Friends of Iowa Lakeside Lab.

Teaching and research facilities include eight laboratory buildings, a library, and a lecture hall. Living accommodations include cottages, and motel-style units. All students and faculty are encouraged to stay at Lakeside while they are taking courses to take full advantage of its educational, professional, and social life. Faculty and researchers are also encouraged to take advantage of Lakeside Laboratory facilities and access to natural areas for research and sabbaticals.

Further information can be found at the website iowalakesidelab.org.

Iowa Space Grant Consortium

The Iowa Space Grant Consortium is an organization sponsored by the National Aeronautics and Space Administration (NASA) and comprised of UNI, the other Iowa Regents' universities, Drake University, and affiliate institutions and businesses. The consortium is part of a national network of universities interested in space-related fields; encouraging cooperation among industry, governments, and universities in technical career programs; organizing educational programs and STEM research; and recruiting and training professionals - especially women and minorities - for careers in aerospace technology and related fields, thereby promoting a strong math and science education base from kindergarten through college. Through a program of internships, scholarships and fellowships, the consortium provides undergraduate and graduate students with opportunities to pursue interdisciplinary research in STEM fields related to NASA's mission directorates. For further information visit http://www.iaspacegrant.org/.

Regent Universities Student Exchange Program

University of Northern Iowa students may take courses at either of the other two Regents' universities (Iowa State University or University of Iowa) with credits earned counted as UNI resident credit. Degree-seeking students in good standing at any of the three Regents' universities may attend another Regents' university for a maximum of two semesters.

Approval for participation and credit in the exchange program must be obtained well in advance of registration since the department head must approve the acceptance of such credits if these are to apply to the major, and to ensure adequate time for processing of the application.

Detailed information and application forms for the exchange program are available from the Office of the Registrar (Gilchrist 115).

Admission Requirements

admissions.uni.edu

This section contains the following information:

- Admission of Undergraduate Students Directly from High School (p. 16)
- High School Preparation for Undergraduate Admission (p. 17)
- Admission of Undergraduate Students by Transfer from Other Colleges (p. 17)
- Admission Requirements for Graduate Students (p. 18)
- Classification of Residents and Nonresidents for Admission, Tuition, and Fee Purposes (p. 18)

Admission of Undergraduate Students Directly from High School

Applicants must submit a formal application for admission, together with a $40 application fee ($50 for international students), and have their high school provide an official transcript of their academic record, including credits and grades, and certification of graduation. The American College Test (ACT) or the Scholastic Aptitude Test (SAT), or the equivalent is required for domestic students. The Test of English as a Foreign Language (TOEFL) is required of international students whose first language is not English. For undergraduate international students the minimum score for full admission is 79 on the TOEFL. There are several alternatives to the TOEFL for students to prove English proficiency: admissions.uni.edu/international/english-proficiency. Students with scores below this may qualify for conditional admission. Applicants may be required to submit additional information or data to support their applications. International applicants (undergraduates and graduates) should consult the website at admissions.uni.edu/international.

1. Admission of undergraduate students directly from high school will be based on the Regent Admission Index (RAI) described below. In addition, applicants must meet the minimum high school course requirements.

(3 x ACT composite score) +

(30 x cumulative GPA) +

(5 x number of high school core courses) =

_____

Regent Admission Index

Applicants who achieve at least a 245 RAI score and who meet the minimum number of high school courses required will qualify for automatic admission. **Applicants who achieve less than a 245 RAI score may also be admitted; however, the university will review these applications on an individual basis**. After such review, applicants may:

be admitted unconditionally;

be admitted conditionally; or

be denied admission.

For purposes of calculating the RAI, SAT (*critical reading and math*) scores will be converted to ACT composite equivalents, 99% is the top value for high school rank, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 year).

The Regent Admissions Index is the primary means for admission; however, the Board of Regents institutions also provide a path to admission for students who elect to not provide the ACT/SAT as a component of the admissions process. Students who do not submit test scores will be considered for admission based upon an individual review of their academic record.

The University of Northern Iowa recognizes that the traditional measures of academic performance do not adequately describe some students' potential for success. Therefore, all interested students are encouraged to apply for admission. Applicants who believe their academic record is not an accurate reflection of their potential for success may provide a written explanation of their circumstances.

2. Applicants who are graduates of non-approved high schools will be considered for admission in a manner similar to applicants from approved high schools, but additional emphasis will be given to scores obtained on standardized examinations.

3. Home schooled applicants are considered for admission based on an individual review of:

a. home-school transcript

b. high school transcript (if courses have been taken at the local high school)

c. college transcripts (if applicable)

d. official ACT or SAT scores (when submitted)

4. Applicants who are not high school graduates, but whose classes have graduated, may be considered for admission. They will be required to submit all academic data to the extent that it exists and achieve scores on standardized examinations, such as the GED or the HiSET.

HiSET Applicants: To qualify for automatic admission to the University of Northern Iowa, students must earn a minimum total score of 75 on the HiSET. Students who do not meet this minimum requirement may be considered on an individual basis.

GED Applicants: To qualify for automatic admission to the University of Northern Iowa, students who have taken the GED must have received a score of 170 or higher on each of the four content areas. Students who do not meet this minimum requirement may be considered on an individual basis.

An official score report of an equivalency diploma (for both a GED and HiSET) is required and can be requested from the state Department of Education website.

5. Students with superior academic records may be admitted, on an individual basis, for part-time university study while enrolled in high school or during the summers prior to high school graduation.

6. In rare situations, exceptional students may be admitted as full-time or part-time students before completing high school. Early admission is provided to serve persons whose academic achievement and personal and intellectual maturity clearly suggest readiness for collegiate-level study. The university will specify requirements and conditions for early admission.

High School Preparation for Undergraduate Admission

Freshman applicants must complete the minimum high school course requirements as follows:

Subject	Requirement	Explanation
English	4 years	Must include 1 year of composition. May include 1 year of speech, communications and/or journalism.
Mathematics	3 years	Must include equivalent of algebra, geometry, and advanced algebra.
Science	3 years	General science, biology, chemistry, earth science and/or physics. Laboratory experience is highly recommended.
Social Studies	3 years	Anthropology, economics, geography, government, history, psychology, and/or sociology.
Electives	2 years	Additional courses from the required subject areas, world language* and/or fine arts.

Optimum recommendations for success are at least four years of mathematics and four years of science.

* Two years of **one** world language in high school with a C- or above in the last term meets the university graduation requirement. The university highly recommends that students fulfill this requirement while in high school.

Admission of Undergraduate Students by Transfer from Other Colleges

Applicants must submit an application form for admission, together with a $40 application fee ($50 for international students), and request that each college they have attended send an official transcript of record to the UNI Office of Admissions. Failure to provide transcripts from all colleges or universities attended may result in denial of the application or dismissal from the university. If less than 24 semester hours of graded transferable college credit will be completed prior to initial enrollment, applicants should also request that their official high school transcript and ACT or SAT scores be sent to the Office of Admissions. Other transfer applicants may be asked to provide high school academic information. The Test of English as a Foreign Language (TOEFL) is required of international students whose first language is not English. For undergraduate international students the minimum score for full admission is 79 on the TOEFL. Students with scores below this can qualify for conditional admission. International students transferring from U.S. institutions can have the TOEFL waived if they complete 24 or more semester hours of transferable credit with required grade point average from a regionally accredited U.S. college or university. In addition to TOEFL, there are other ways a student may demonstrate English proficiency: admissions.uni.edu/international/english-proficiency.

1. Transfer students are defined as those with twenty-four (24) semester hours of transferable college credit. Transfer students must have or exceed the following combination of grade point and total graded transferable semester hours for admission to UNI.

- 1-23 transferable hours, 2.25 cum GPA plus meet requirements for incoming freshman*
- 24-59 transferable hours, 2.25 cum GPA
- 60 or more transferable hours, 2.00 cum GPA

*Admission of students with fewer than 24 semester hours of transferable college credit will be based on high school academic and standardized test records in addition to review of the college record.

Transfer applicants who have not maintained the level of academic performance given above may, after a review of their academic and test records, and at the discretion of the admissions officers:

1. Be admitted unconditionally;
2. Be admitted conditionally; or
3. Be denied admission.

2. Transfer applicants under disciplinary suspension will not be considered for admission until information concerning the reason for the suspension has been received from the college assigning the suspension. Applicants granted admission under these circumstances will be admitted on probation. Applicants who are on academic suspension will typically not be admitted until the suspension has ended.

3. Transfer applicants of colleges and universities not regionally accredited will be considered for admission on an individual basis taking into account all available academic information.

Deadline for admission is the first day of class for any given academic term. Exceptions must be approved by the Director of Admissions.

Transfer Credit Practices

The University of Northern Iowa endorses the Joint Statement on Transfer and Award of Academic Credit approved by the American Council on Education (ACE) and the American Association of Collegiate Registrars and Admission Officers (AACRAO). The current issue of Transfer Credit Practices of Selected Educational Institutions, published by the American Association of Collegiate Registrars and Admissions Officers, and publications of the American Council on Education are examples of references used by the university in determining transfer credit. The acceptance and use of transfer credit are subject to limitations in accordance with existing educational policies of the University of Northern Iowa.

1. Students from regionally accredited colleges and universities: Credit earned at regionally accredited colleges and universities is acceptable for transfer, notwithstanding that credit in courses determined by the university to be of a remedial or career and technical nature, or credit in courses or programs in which the institution granting the credit is not directly involved, may not be accepted, or may be accepted to a limited extent.
   No more than 65 semester hours of credit earned at two-year colleges can be applied to a bachelor's degree from the University of Northern Iowa.
2. Students from colleges and universities which have candidate status: Credit earned at colleges and universities which have become candidates for accreditation by a regional association is acceptable for transfer in a manner similar to that from regionally accredited colleges and universities if the credit is applicable to the bachelor's degree at the University of Northern Iowa.
   Credit earned at the junior and senior classification from an accredited two-year college which has received approval by a regional accrediting association for change to a four-year college may be accepted by the university.
3. Students from colleges and universities not regionally accredited: Credit earned at colleges and universities that are not regionally accredited is not accepted in transfer. When students are admitted from colleges and universities not regionally accredited, the University of Northern Iowa will determine if the student may validate credit by satisfactory academic study in residence, or by examination. The university will specify the amount of transfer credit and the terms of the validation process at the time of admission. In determining the acceptability of transfer credit from private colleges in Iowa which do not have regional accreditation, the Regent Committee on Educational Relations, upon request from such institutions, evaluates the nature and standards of the academic program, faculty, student records, library, and laboratories.
4. Students from outside the United States colleges and universities: Transfer credit from foreign educational institutions may be granted after a determination of the type of institution involved, its recognition by the educational authorities of the foreign country, and after an evaluation of the content, level and comparability of the study to courses and programs at this university. Credit may be granted in specific courses, but may be assigned to general areas of study. Resources such as professional journals and reference materials may be used, insomuch as they describe the educational systems and programs of individual countries.
5. Students having served in the United States Armed Forces: Transfer credit is granted based on a credit evaluation of transcripts from academic institutions attended, plus the Joint Services Transcript (JST), or the Community College of the Air Force Transcript. The University of Northern Iowa follows the American Counsel of Education (ACE) guidelines in the acceptance of military credit.

Admission Requirements for Graduate Students

All applicants for graduate study must submit an Application for Graduate Study specifying their choice of degree program or non-degree admission with a $60 application fee or $75 fee for international students and request all necessary official transcripts be sent to the Office of Admissions. *The application fee is waived if you received a degree from the University of Northern Iowa, and transcripts from the University of Northern Iowa need not be requested*. Failure to provide official transcripts from all required colleges and universities can result in a denial or rescinding of admission.

Admission to graduate study does not guarantee admission to an advanced degree program. Responsibility for determining eligibility for admission to graduate degree programs rests primarily with the academic departments. The academic departments are responsible for evaluating degree status applications for admission, but the Graduate College has final authority on the admission status of admitted students (admitted unconditionally or provisionally).

A graduate of a college or university accredited by the North Central Association of Colleges and Secondary Schools or a corresponding regional agency, or a graduate of a foreign institution recognized by that country’s Ministry of Education, is eligible to be considered for unconditional admission to graduate study. A graduate of a college or university that is not accredited may be granted provisional admission at the discretion of the Dean of the Graduate College.

For further details on graduate admission eligibility and approvals, refer to the Graduate Information section of this university catalog.

Note: *Students with a recognized baccalaureate degree who are seeking a second baccalaureate degree, teaching endorsements or approvals through UNI recommendation, and/or miscellaneous undergraduate course work may be admitted through the undergraduate Office of Admissions. These students pay undergraduate fees and may not take graduate courses unless also admitted to graduate study. See Post-Baccalaureate Undergraduate Study in this university catalog.*

Classification of Residents and Nonresidents for Admission, Tuition, and Fee Purposes

https://registrar.uni.edu/students/current-students/residency-determination

General

A. A person enrolling at one of the three state universities shall be classified as a resident or nonresident for admission, tuition, and fee purposes by the Registrar or someone designated by the Registrar. The decision shall be based upon information furnished by the student and other relevant information.

B. In determining resident or nonresident classification, the issue is essentially one of why the person is in the state of Iowa. If the person is in the state primarily for educational purposes, that person will be considered a nonresident. For example, it may be possible that an individual could qualify as a resident of Iowa for such purposes as voting, or holding an Iowa driver's license, and not meet the residency requirements as established by the Board of Regents, State of Iowa, for admission, tuition, and fee purposes.

C. The Registrar, or designated person, is authorized to require such written documents, affidavits, verifications, or other evidence deemed necessary to determine why a student is in

Iowa. The burden of establishing that a student is in Iowa for other than educational purposes is upon the student.

A student may be required to file any or all of the following:

- A statement from the student describing employment and expected sources of support;
- A statement from the student's employer;
- A statement from the student's parents verifying nonsupport and the fact that the student was not listed as a dependent on tax returns for the past year and will not be so listed in future years;
- A statement from the student’s spouse related to sources of family support, length of residence in Iowa, and reasons for being in the state of Iowa.
- Supporting statements from persons who might be familiar with the family situation;
- Iowa state income tax return.

D. Change of classification from non-resident to resident will not be made retroactive beyond the term in which application for resident classification is made.

E. A student who gives incorrect or misleading information to evade payment of nonresident fees shall be subject to serious disciplinary action and must also pay the nonresident fees for each term previously attended.

F. Review Committee. These regulations shall be administered by the Registrar or someone designated by the Registrar. The decision of the Registrar or designated person may be appealed to a University Review Committee. The finding of the Review Committee may be appealed to the Board of Regents, State of Iowa.

Guidelines

The following guidelines are used in determining the resident classification of a student for admission, tuition, and fee purposes.

1. A financially dependent student whose parents move from Iowa after the student is enrolled remains a resident provided the student maintains continuous enrollment. A financially dependent student whose parents move from Iowa during the senior year of high school will be considered a resident provided the student has not established domicile in another state.

2. In deciding why a person is in the state of Iowa, the person's domicile will be considered. A person who comes to Iowa from another state and enrolls in any institution of post-secondary education for a full program or substantially a full program shall be presumed to have come to Iowa primarily for educational reasons rather than to establish a domicile in Iowa.

3. A student who was a former resident of Iowa may continue to be considered a resident provided absence from the state was for a period of less than twelve months and provided domicile is reestablished. If the absence from the state is for a period exceeding twelve months, a student *may* be considered a resident if evidence can be presented showing that the student has long-term ties to Iowa and reestablishes an Iowa domicile.

A person or the dependent of a person whose domicile is permanently established in Iowa, who has been classified as a resident for admission, tuition, and fee purposes, may continue to be classified as a resident so long as such domicile is maintained, even though circumstances may require extended absence of the person from the state. It is required that a person who claims Iowa domicile while living in another state or country will provide proof of the continual Iowa domicile such as evidence that the person:

- Has not acquired a domicile in another state,
- Has maintained a continuous voting record in Iowa, and
- Has filed regular Iowa resident income tax returns during absence from the state.

4. A student who moves to Iowa may be eligible for resident classification at the next registration following twelve consecutive months in the state provided the student is not enrolled as more than a half-time student (six credits for an undergraduate or professional student, five credits for a graduate student) in any academic year term, is not enrolled for more than four credits in a summer term for any classification, and provides sufficient evidence of the establishment of an Iowa domicile.

5. A student who has been a continuous student and whose parents move to Iowa may become a resident at the beginning of the next term provided the student is dependent upon the parents for a majority of financial assistance.

6. Additional guidelines are used in determining the resident classification of a veteran, qualified military person, and dependent children and spouses of a veteran or qualified military person for purposes of admission and undergraduate tuition and mandatory fees:

- A person who is stationed on active duty at the Rock Island Arsenal as a result of military orders, or the dependent child or spouse of such a person, is entitled to resident status for purposes of undergraduate tuition and mandatory fees. However, if the arrival of the person under orders is subsequent to the beginning of the term in which the dependent child or spouse is first enrolled, nonresident fees will be charged in all cases for the dependent child or spouse until the beginning of the next term in which the dependent child or spouse is enrolled. If the qualified military person is transferred, deployed or restationed while the person’s spouse or dependent child is enrolled in an institution of higher education under the control of the Board of Regents, the spouse or dependent child shall continue to be classified as a resident under this subparagraph until the close of the fiscal year in which the spouse or dependent child is enrolled.

- A veteran who is domiciled or moves to the state of Iowa and who is eligible for benefits, or has exhausted benefits under the federal Post-9/11 Veterans Educational Assistance Act of 2008, is entitled to resident status for purposes of undergraduate tuition and mandatory fees. The dependent child or spouse of a veteran who meets these requirements is entitled to resident status for undergraduate tuition. However, if the arrival of the veteran in Iowa is subsequent to the beginning of the term in which the dependent child or spouse is first enrolled, nonresident fees will be charged in all cases for the dependent child or spouse until the beginning of the next term in which the dependent child or spouse is enrolled.

- A person who is moved into the state as the result of military or civil orders from the government for other than educational purposes, or the dependent child or spouse of such a person, is

entitled to resident status. However, if the arrival of the person under orders is subsequent to the beginning of the term in which the dependent child or spouse is first enrolled, nonresident fees will be charged in all cases until the beginning of the next term in which the dependent child or spouse is enrolled. Legislation, effective July 1, 1977, requires that military personnel who claim residency in Iowa (home of record) will be required to file Iowa resident income tax returns.

- A military veteran or a "covered individual" (such as a spouse or dependent), although living in another state, may be eligible for the in-state rate as provided in Section 702 of the Veterans Access, Choice and Accountability Act of 2014. Appropriate documentation may be required, such as the Certificate of Eligibility from the Veterans Administration, or the DD214.

7. A person who has been certified as a refugee or granted asylum by the appropriate agency of the United States who enrolls as a student at a university governed by the Board of Regents, State of Iowa, may be accorded immediate resident status for admission, tuition, and fee purposes where the person:

- Comes directly to the state of Iowa from a refugee facility or port of debarkation, or
- Comes to the state of Iowa within a reasonable time and has not established domicile in another state.

Any refugee or individual granted asylum not meeting these standards will be presumed to be a nonresident for admission, tuition, and fee purposes and thus subject to the usual method of proof of establishment of Iowa residency.

8. An alien who has immigrant status establishes Iowa residency in the same manner as a United States citizen.

9. At the Regent institutions, American Indians who have origins in any of the original people of North America and who maintain a cultural identification through tribal affiliation or community recognition with one or more of the tribes or nations connected historically with the present state of Iowa, including the Iowa, Kickapoo, Menominee, Miami, Missouri, Ojibwa (Chippewa), Omaha, Otoe, Ottawa (Odawa), Potawatomi, Sac and Fox (Sauk, Meskwaki), Sioux, and Winnebago (Ho Chunk), will be assessed Iowa resident tuition and fees.

Facts

1. **The following circumstances, *although not necessarily conclusive*, have probative value in support of a claim for resident classification.**
   a. Reside in Iowa for twelve consecutive months, and be primarily engaged in activities other than those of a full-time student, immediately prior to the beginning of the term for which resident classification is sought.
   b. Reliance upon Iowa resources for financial support.
   c. Domicile in Iowa of persons legally responsible for the student.
   d. Former domicile in the state and maintenance of significant connections therein while absent.
   e. Acceptance of an offer of permanent employment in Iowa.
   f. Other facts indicating the student's domicile will be considered by the universities in classifying the student.
2. **The following circumstances, standing alone, do not constitute sufficient evidence of domicile to effect classification of a student as a resident under these regulations:**
   a. Voting or registration for voting.
   b. Employment in any position normally filled by a student.
   c. The lease of living quarters.
   d. Admission to a licensed practicing profession in Iowa.
   e. Automobile registration.
   f. Public records, for example, birth and marriage records, Iowa driver's license.
   g. Continuous presence in Iowa during periods when not enrolled in school.
   h. Ownership of property in Iowa, or the payment of Iowa taxes.

Enrollment and Registration Procedures

This section contains the following information:

- Enrollment (p. 21)
  - Organizations by Semesters
  - Summer Sessions
  - University Office Hours
- Registration Procedures (p. 21)
- Student Requests (p. 21)

Enrollment

Organization by Semesters

The university operates on the semester basis. This means that the work during the academic year is divided into two semesters of approximately sixteen weeks each (15 weeks of instruction and 1 week of final exams). One semester hour of credit is based on one hour of work per week for fifteen weeks.

Summer Sessions

A summer session will include a twelve-week session, an eight-week session, two six-week sessions, three four-week sessions, and a number of special sessions and workshops of varying lengths.

University Office Hours

The university's principle administrative offices are open from 8:00 a.m.- 4:30 p.m. Monday through Friday throughout the year.

Students and their parents are invited to come to the campus to make arrangements for university enrollment. Such visits should be made on Mondays through Fridays to maximize exposure to the university and its services.

Offices are closed for university holidays (New Year’s Day, Martin Luther King’s Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas).

The university's academic calendar and holidays are subject to approval by the Board of Regents, State of Iowa.

Registration Procedures

New students, both graduate and undergraduate, can register for classes once all requirements for admission to the university are met.

After admission requirements are met, new graduate students will register in accordance with the procedures set out in the Schedule of Classes.

After admission requirements are met, new undergraduate students will receive their registration information in connection with the orientation program provided for such students. Further instruction for completing registration will be given during the orientation program.

Former students returning to the university after an absence of a semester must notify the Office of the Registrar of their intent to register for the semester or summer session in which they plan to enroll. Specific information for each semester's registration procedures is given in the Schedule of Classes for that particular semester; these procedures are available at the Office of the Registrar website registrar.uni.edu. The registration system is accessed on the My Page tab of MyUNIverse in the Student Center section. See myuniverse.uni.edu.

Student Requests

Student requests are used by students to seek appropriate approval(s) for a variety of requests.

Student Requests (Undergraduate and Graduate) are submitted online through MyUNIverse. The link to the student request system is located on the My Page tab, in the MyUNIverse Student Center section. Click on the Student Requests link and follow instructions to write, submit, and review the approval status of all their student requests.

Fees and Financial Aid

This section contains the following information:

- Student Costs and Student Fees (p. 22)
- Office of Financial Aid and Scholarships (p. 22)
  - Requirements and Terms for Receiving Financial Aid (p. 22)
  - Scholarships Overview (p. 23)
  - Student Employment Overview (p. 24)
  - Student Loan Overview (p. 24)
  - Dropping Classes or Withdrawal from the University (p. 24)
  - Standards of Satisfactory Progress for Financial Eligibility (p. 25)
- UNI Presidential Scholarships (p. 26)
- University of Northern Iowa Foundation (p. 27)

Student Costs and Student Fees

All fees and all policies governing the refund of fees are subject to change by the Board of Regents, State of Iowa.

Current information on tuition, fees, and miscellaneous fees for a specific semester can be found at https://tuition.uni.edu/.

Students are required to provide their own books. Students may buy their texts from any source. An estimated cost for books, as well as an estimate of other expenses to be considered in a student's personal budget, can be found at https://tuition.uni.edu/.

Specific information on residence hall fees may be obtained from Department of Residence, Redeker Center or https://uhd.uni.edu/.

Fee Payment and Billing

All tuition, mandatory fees, contracted campus room and meal plans , and other university related expenses are electronically billed directly to the student by the Office of Business Operations- Student Accounts. Charges are billed one semester at a time. New charges and/or adjustments are billed monthly throughout the semester.

An electronic University bill (U-Bill) is generated on the evening of the 1st business day of every month and due on the 20th. An email notification is sent to each student's official UNI email address when the bill is available. Paper bills are not sent. Students can view their bill or enroll in a payment plan online at https://myuniverse.uni.edu. Students can allow access to their U-Bill by creating a username and password for parents or other third parties. Go to MyUniverse-My Page tab-Third Party Accounts to grant access.

Deferred Payment Plan

The University offers a Deferred Payment Plan Option for tuition, mandatory fees, and contracted room and meal plan charges. The UNI Self-Service Payment Plan allows students to enroll in a five-month payment plan. This plans allows students to make payments in installments over the course of the semester. All enrolled students are eligible to participate but the student MUST ENROLL prior to the first billing due date. To enroll, students need to visit https://myuniverse.uni.edu/ and follow the link to Student Center to complete the online payment plan agreement. There is a one-time $20 deferred billing fee, per semester, that will be assessed to the student's second U-Bill of the semester.

Office of Financial Aid & Scholarships

The University of Northern Iowa Office of Financial Aid & Scholarships administers a comprehensive program of financial assistance for students. The office offers all federal student aid programs as well as a variety of scholarship assistance.

Financial Aid contact information is:

Office of Financial Aid & Scholarships
105 Gilchrist
Cedar Falls, IA 50614-0024
Telephone: 319-273-2700
Fax: 319-273-6950
Website: finaid.uni.edu

Office hours: 8:00 a.m. - 4:30 p.m.

Financial Aid Information On the Web

The Financial Aid Offer Notification, general information, and requested documents needed by the Office of Financial Aid & Scholarships are posted on MyUNIverse at http://myuniverse.uni.edu. An e-mail notification is sent to the student's UNI e-mail address when information is needed, and the student is responsible for checking MyUNIverse for details. A postcard reminder is also sent to new UNI students.

A variety of other services and informational materials are also available online, including the Job Board, UNI Scholarship Application, and scholarship directory. Visit finaid.uni.edu to explore all financial aid opportunities.

Requirements and Terms for Receiving Financial Aid

Students must complete a Free Application for Federal Student Aid (FAFSA) each year to have eligibility determined for a Pell Grant, Teacher Education Assistance for College and Higher Education (TEACH) Grant, Supplemental Educational Opportunity Grant (SEOG), Work-Study, Direct Stafford Loans (subsidized and unsubsidized), and Direct Parent PLUS Loans. All awards are contingent upon availability of federal, state, and institutional funding.

Students must also meet the following criteria to receive financial aid:

1. You must be admitted to the University of Northern Iowa and be enrolled in a degree program. Undergraduate students who have already received a bachelor's degree are eligible for financial aid if they are enrolled in a second undergraduate program or in a teacher licensure program. Non-degree students are not eligible for financial aid. If you are enrolled as a non-degree student, and want

to receive financial aid, contact your academic department or the Office of the Registrar to determine your degree status.

2. You must be enrolled at least half-time (6 hours per semester for undergraduates and 5 hours per semester for graduates). If you are enrolled less than half-time, you may still be eligible for federal grant aid, but most grants and scholarships require full-time enrollment. Audited courses and guided independent study do not count towards enrollment for the purpose of receiving financial aid.
3. You must be making satisfactory academic progress (SAP) according to the standards set forth by the UNI Office of Financial Aid & Scholarships.
4. You must report the receipt of any grants, scholarships or loans from all sources. In addition, if you are also enrolled at another institution, you may not receive federal aid at both institutions.
5. You must not have been convicted under federal or state law of the sale or possession of drugs, if the offense occurred during a period of enrollment for which you were receiving federal student aid (grants, loans, and/or work-study).
6. You must not be in default on a federal student loan nor owe money on a federal student grant.

Grants Overview

Grants are need-based aid. Due to federal regulation and university policy, the actual amount of grant received is based on the number of credit/hours enrolled in any given semester. Therefore, if a grant has already been disbursed and a student adds or drops classes during the first two weeks of the semester, the grant will be adjusted. After the second week of classes grants do NOT adjust. If you have any questions about how your grant may be affected by adding or dropping a class, please contact the Office of Financial Aid & Scholarships.

Pell Grants

These awards help undergraduates pay for their education while working on their first bachelor's degree. Amounts vary based on FAFSA results and enrollment status. A Pell Grant does not have to be repaid.

Supplemental Educational Opportunity Grants (SEOG)

This program targets students receiving a Pell Grant and having exceptional financial need. Awards range up to $1,000 per academic year. SEOG does not have to be repaid.

TEACH Grant

The Federal TEACH Grant is for students who will be teaching in a low-income school and in a high-need field of study. A student could receive a grant of up to $4,000 a year for four years as an undergraduate and two years as a graduate. Students are required to teach four out of their first eight years out of college within a low income school district, in a high need field. Failure to fulfill this obligation will result in the grant converting to a Direct Unsubsidized Loan. Contact the Office of Financial Aid & Scholarships for more information on the TEACH Grant.

State Grants

State grants are available for Iowa students who are enrolled at least half-time who demonstrate financial need, as determined on the FAFSA. The grants are awarded based upon an Iowa undergraduate student's expected family contribution. State grant awards may range up to full tuition and fees for those who qualify. The IMAGES grant is also available for Iowa minority students enrolled at least half-time. Awards range from $200 to $2,000. In the event that available state funds are insufficient to pay the full amount of each approved grant, the Iowa College Student Aid Commission has the authority to administratively reduce an award.

UNI Tuition Assistance Grants

These institutional grants are need-based, non-repayable gifts, for up to $1,200. Awarding of this grant depends upon the student's financial need as indicated by the results of their FAFSA.

UNI Tuition Guarantee Program for Iowans

The Tuition Guarantee Program for Iowans is a four year commitment of full tuition and fees provided through a combination of federal, state and institutional grants and scholarships. To initially qualify a student must have an EFC of 1000 or less, be a resident of Iowa, and a new graduate from an Iowa high school.

UNI Tuition Guarantee Program for Multicultural Community College Iowans

This program provides a two year commitment of full tuition and fees provided through a combination of federal, state, and institutional grants and scholarships. The applicant must be an Iowa resident, must be Pell Grant eligible as determined by the FAFSA throughout two years for continued eligibility, must have 24 transferable hours from an Iowa Community College, and requires ethnic or racial status of African American/Black, Hispanic/Latina/Spanish, Alaskan Native or American Indian, Asian, Native Hawaiian or other Pacific Islander.

For a complete listing of grants and eligibility criteria visit finaid.uni.edu.

Scholarships Overview

The University of Northern Iowa offers scholarships each year to deserving students on the basis of merit and/or achievement. Many scholarships consider financial need, as determined by the Free Application for Federal Student Aid (FAFSA). Scholarship selection is competitive and not all applicants will receive a scholarship. Scholarships require full-time enrollment and a minimum grade point average. Renewal of university scholarships may require any or all of the following: minimum grade point average, financial need, major, and annual completion of the UNI Scholarship Application.

Scholarships for Incoming Students

Some scholarships at the University of Northern Iowa are awarded at the time of admission. Students will be notified of their selection for these awards by the Office of Financial Aid & Scholarships. All other scholarships at UNI require the annual completion of the UNI Scholarship Application. This allows students to apply for scholarships available in specific majors and university departments. The deadline for most scholarships is January 15, with the application being available beginning in July. Be sure to check back every July to begin the application process early for the upcoming school year.

Scholarships for Current Students

The UNI Scholarship Application is an online resource for searching and applying for scholarships at the University of Northern Iowa.

Be sure to begin the search and application process early and check carefully for scholarship deadlines. The deadline for most scholarships is January 15, and the application is available between July and March 1 every year.

Scholarships for Graduate Students

Graduate students should check with the Graduate College and their academic department to inquire about and apply for graduate scholarship opportunities.

Reporting Off-Campus Financial Sources

Federal regulations and university policies require that students inform the Office of Financial Aid & Scholarships of any outside scholarships received. These are considered financial resources in the calculation of eligibility for need-based aid. Students should report these resources by email to additional.aid@uni.edu, by calling the Office of Financial Aid & Scholarships at (319) 273-2700, or by receipt in our office of a letter or check from the donor. Forms are also available during summer orientation for new students. If an adjustment to the financial aid award must be made, in most cases, loans are the first program to be reduced.

Renewal of UNI Scholarships

Renewal of university scholarships may require maintaining any or all of the following: minimum grade point average, financial need, major, Financial Aid Satisfactory Academic Progress, and/or annual completion and submission of the UNI Scholarship Application. Refer to the letter of offer for specific renewal criteria.

Student Employment Overview

The University of Northern Iowa offers many opportunities for students to obtain employment that will not only help pay for everyday expenses, but also provides opportunities for building friendships, mentor relationships and for building a resume. There are two main types of student employment; departmental and work-study.

Departmental Employment

Thousands of students worked on-campus last year in a variety of roles and departments across campus. The vast majority of all campus jobs are departmental (non-work study). This type of employment allows departments to hire UNI students and pay their wages with departmental funds. Any UNI student enrolled can be employed as a departmental student employee. This type of employment has no bearing on the financial aid award. For more information visit https://careerservices.uni.edu/campus-jobs.

Work-Study

Work-study is a federal award that is awarded to students who have high financial need as determined by the FAFSA. Work-study funding is limited, therefore students are encouraged to complete the FAFSA early to increase their chances of consideration for work-study. Students who have been awarded work-study should begin their job search early as many of these positions fill quickly. Students awarded work-study who do not find employment within the first four weeks of class may potentially have work-study removed from their award.

Student Loan Overview

Students must complete a Free Application for Federal Student Aid (FAFSA) to be eligible for federal student loans. First-time student borrowers at UNI will also need to complete Entrance Counseling and a Master Promissory Note at www.studentaid.gov prior to their loan being disbursed. Students will complete only one promissory note that will be used for all of their loans at UNI. A student who borrows under the Direct Loan Program at UNI will be able to borrow under this one MPN up to ten years. If a student borrowed a Direct Loan at UNI in the prior academic year, they would only be required to accept the loans each year on their award notification. All loan proceeds are credited directly to the university bill.

Direct Loan (Subsidized and Unsubsidized)

The Direct Subsidized Loan is based on financial need eligibility as determined on the FAFSA. The Direct Unsubsidized Loan is available to all degree-seeking students. Repayment for each type of loan begins six months after the student ceases to be enrolled at least half-time. Dependent freshmen may borrow up to $5,500 for an academic year. Dependent sophomores may borrow up to $6,500 for an academic year. Dependent junior or senior students may borrow up to $7,500 for an academic year.

Independent students have an additional $4,000 (freshmen or sophomores) or $5,000 (junior or seniors) in Direct Unsubsidized Loan eligibility. Dependent undergraduate students may borrow up to $31,000 in Direct Loans. Independent undergraduate students are eligible to borrow up to $57,500 in Direct Loans.

Graduate students can borrow up to their cost of attendance as determined by UNI or $20,500, whichever is less, per academic year. The total amount any one student may borrow for a combined undergraduate and graduate program may not exceed $138,500.

Direct PLUS Loans for Parents

A parent of a dependent student may be eligible for an amount up to the cost of attendance less any other Direct Loan, financial aid, or scholarship money available to the student to use for educational expenses. Interest rates are determined on an annual basis and fixed for the life of loan. Repayment begins within 60 days following the last disbursement of the loan or can be deferred until 6 months following a student being enrolled less than half time. A credit check is required to qualify for the PLUS Loan.

Direct PLUS Loans for Graduate Students

If loan eligibility still exists for a graduate student following the awarding of their financial aid, including Direct Loans, they may be eligible for the Direct PLUS Loans for Graduate Students. Interest rates are determined on an annual basis and fixed for the life of loan. Repayment can begin within 60 days following the last disbursement of the loan or can be deferred until six months following a student being enrolled less than half time. A credit check is required to qualify for the PLUS Loan.

Dropping Classes or Withdrawal from the University

Students may find themselves in a situation where they need to withdraw from one or more classes, or withdraw entirely from the University of Northern Iowa. In these situations, federal regulations may require that the university return a portion or all of the federal student aid that has been disbursed to the student. The amount of federal student aid that is required to be returned will vary depending on the date of withdrawal. When considering dropping one or more classes, or withdrawing from the university, it is important that

students visit with a Financial Aid Counselor to discuss your situation. Dropping to less than half-time enrollment or withdrawing from all classes may affect the repayment status of current or previous student loans.

Dropping Classes

The Office of Financial Aid & Scholarships monitors semester hours of enrollment for students who are receiving financial aid. Students who drop courses during the first two weeks of classes (but are still enrolled) will have their grants reduced accordingly. Students who drop courses after the first two weeks of the semester (but are still enrolled) will not have their financial aid adjusted.

Withdrawal from Classes

The Office of the Registrar has a tuition refund policy that determines the amount of tuition and fees that will be refunded to a student who withdraws from all classes. The amount is based on the date the student withdraws from the university, and may vary from 0 to 100 percent. Students should check with the Office of the Registrar or the university catalog to determine the amount of tuition and fees refund for which they may be eligible. Room and board refunds are made in accordance with the agreement set out in the Contract for Room and Board. Contact the Housing and Dining Department for more information about room and board refunds.

Students who withdraw from all classes at the university before over 60 percent of the semester has passed are required to return unearned federal student aid in a proportion equal to the time not in attendance. For example, if a student completes 30 percent of the semester, then 30 percent of the federal aid received may be retained and the other 70 percent of federal aid received must be returned in the following order:

- federal loans
- federal grants
- state programs
- UNI grants and scholarships
- outside agencies

Students are notified of any changes to their federal aid resulting from withdrawal, and should check their U-Bill after they have withdrawn. Students who withdraw from all classes after 60 percent of the semester has passed will be able to retain all of the federal student aid that has been disbursed. However, a student's eligibility for financial aid in future semesters may be affected based on Financial Aid Satisfactory Academic Progress requirements. Students should keep in mind that loans that were disbursed must still be repaid according to the terms of the promissory note.

Unofficial Withdrawals

At the end of each semester, the Office of Financial Aid & Scholarships reviews the status of students who received all F grades. Course instructors are contacted for assistance in identifying the last date of attendance. If a student stops attending all classes during a semester but fails to officially withdraw, the student will be considered "unofficially withdrawn" and is at risk of having portions of his/her financial aid returned based on the withdrawal percentages outlined above. Financial aid adjustments will be reflected on the University U-Bill.

Repeating Coursework and Financial Aid Implications

Federal regulation limits the number of times a student may repeat a course and receive financial aid for that course.

- A student may receive aid when repeating a course that was previously failed regardless of the number of times the course was attempted and failed.
- A student may receive aid to repeat a previously passed course only one additional time.
- This policy applies whether or not the student received aid for earlier enrollments in the course.

Standards of Satisfactory Progress for Financial Aid Eligibility

The University of Northern Iowa has established requirements of Financial Aid Satisfactory Academic Progress (SAP) that all students must meet in order to be eligible for financial aid. The financial aid programs affected include, but are not limited to, all federal, state, and institutional aid including private education loans.

Financial Aid SAP is reviewed on an annual basis following the conclusion of the spring semester. Students must meet all three requirements at the time of review, or they will be placed on Financial Aid Suspension. Students placed on Financial Aid Suspension may appeal to have their aid reinstated for the upcoming semesters at UNI.

SAP Requirements

To maintain eligibility for financial aid, students must meet three standards:

1. **Minimum GPA:** Undergraduate and 2nd BA students must maintain a minimum 2.0 cumulative GPA. Graduate students must maintain a minimum 3.0 cumulative GPA.
2. **Pace of Progression:** Students must complete 67% of all coursework attempted at UNI. Only grades of A, B, C, D, X, Cr, or P are counted as completed. Failed classes, withdrawn classes, and incomplete grades do not count as completed credit hours and will negatively affect the SAP calculation. *Example: A student has attempted 114 credits at UNI and completed 87 credits (76% completion rate), thus meeting this standard of academic progress*. The credit hours from a repeated course are counted as attempted hours every time the course is repeated.
3. **Maximum Time to Complete a Degree:** Students must complete a degree within 150% of the credit hours required per the academic catalog. Transfer credit hours are included in this calculation. *Example: If a degree requires 120 credits, 150% of 120 is 180 credits (180 credits would be the maximum).*

Undergraduate students are also required to complete a degree within 12 full-time equivalent semesters (18 three-quarter time semesters or 24 half-time semesters). Second BA and graduate students are required to complete a degree within 6 full-time equivalent semesters (9 three-quarter time semesters or 12 half-time semesters). Transfer credits are counted toward the maximum timeframe to complete the degree. Students cannot receive financial aid for more than one degree at a time.

NOTE: The credit hours from a repeated course are counted as attempted hours every time the course is repeated. Once the course is passed, then the credit hours are counted as both attempted and completed credit hours.

Reinstatement of Financial Aid

Students placed on Financial Aid Academic Progress Suspension have the opportunity to appeal and/or have their previous grades reviewed by the Office of Financial Aid & Scholarships. Students have the following options for reinstatement:

1. **Initiate the financial aid appeal process**. Financial Aid Suspension appeals must demonstrate extenuating circumstances that impeded a student's ability to make progress academically. All appeals must be accompanied by third party documentation of the circumstances encountered, as well as a signed academic plan of study. The Financial Aid SAP policy is separate from the Office of the Registrar Academic Standing Policy. Students on Academic Probation or Suspension should contact the Office of the Registrar with questions. Students on Academic Suspension may need to appeal their SAP standing upon re-admission to UNI.
2. **Meet all Financial Aid SAP requirements.** Undergraduate and 2nd BA students must improve their cumulative GPA to the 2.0 minimum. Graduate students must improve their cumulative GPA to the 3.0 minimum. All students must also meet the 67% course completion standard. You will not be reinstated under this condition until following the completion of an entire semester of coursework, or by individual request. MBA students must complete module 1.
3. **Review of grade changes.** Students experiencing grade changes that may reinstate their eligibility should contact the Office of Financial Aid & Scholarships to have their academic progress reviewed. Review of grade changes may occur prior to the end of the semester/academic year in which a student is appealing for aid.

Financial Aid Appeal Process and Deadlines

An appeal process is in place for those experiencing extenuating circumstances that affected their ability to meet the Financial Aid Satisfactory Academic Progress standards. Appeal forms and instructions may be obtained from the Office of Financial Aid & Scholarships or online at https://admissions.uni.edu/financial-aid/eligibility/satisfactory-academic-progress. **It is recommended that students submit their appeals as soon as possible to avoid processing delays. Appeals must be submitted by Oct 1 for the fall semester and March 1 for the spring semester. Late appeals may not be accepted.** Reinstatement of the financial aid is contingent upon the availability of the funds at the time the appeal is approved. Appeals are evaluated on an individual basis. While there is no limit on the number of times a student can appeal their SAP standing, students should be aware that multiple appeals may be difficult to approve. In these cases, significant documentation of extenuating circumstances should be submitted for evaluation.

Financial Aid Probation Status: Financial Aid Probation is available for a maximum of one semester for students who have successfully appealed to have their aid reinstated. Students on Financial Aid Probation must continue to adhere to the Financial Aid SAP Policy and any other conditions listed on the appeal approval notice. Students on Financial Aid Probation status are reviewed at the end of each semester. Students not making progress toward the terms of their appeal notice will have their aid suspended and must re-appeal to have their aid reinstated.

Financial Aid Academic Plan: If it is not possible for a student with an approved appeal to achieve minimum SAP standards within one semester, the student will be placed on an Academic Plan. While on the Financial Aid Academic Plan, students must meet all SAP standards each semester. The conditions for the approved appeal will continue each term until the student meets the minimum standard(s) or fails to meet the conditions of the approved appeal. If the student fails to meet the appeal conditions, the student's account will revert to Financial Aid Suspension status, indicating the student is ineligible for aid. The student must then appeal to have their aid reinstated

Denied Financial Aid Appeals

Students with denied Financial Aid Suspension appeals may continue attending UNI by funding their own education or by exploring alternative private education loan options. You must check with private lenders to determine if they offer loans to students not meeting SAP requirements. If students meet all of the SAP standards in the future, they must contact the Office of Financial Aid & Scholarships to request a review of their financial aid status.

For additional information regarding the SAP Appeal process, recommendations, helpful hints, and frequently asked questions, please review our website at finaid.uni.edu.

Summer Aid Financial Aid

For financial aid purposes, the summer session is considered the final term of the award year. Federal aid programs have an academic year maximum amount of aid that can be received. For example, dependent freshman with 0-29 semester hours may borrow only $5,500 in Direct Loans for the entire academic year (12 months - fall, spring and summer). Therefore, summer aid is limited.

To be eligible for financial aid for the summer students must:

- Have a current year FAFSA submitted by June 1.
- Be enrolled at least half-time during the summer - six credits for undergraduate students and five credits for graduate students. Audited courses and Guided Independent Study courses do not count toward enrollment.
- Be admitted to a program leading to a degree. Non-degree students are ineligible for financial aid.
- Not be on Financial Aid Academic Progress Suspension or Registrar Academic Suspension.
- Not be in default on any educational loan, and not owe any refund on a grant or loan at any institution.

UNI Presidential Scholarships

https://hsp.uni.edu/presidential-scholars

Presidential Scholarships are awarded by the University Honors Program to high school seniors with a history of outstanding academic performance. Recipients will be those whose strong academic credentials are matched by personal involvement in leadership and service activities.

Presidential Scholarships are substantial awards that carry recognition for academic excellence as well as financial support.

For complete information, visit https://hsp.uni.edu/presidential-scholars or contact the University Honors & Scholars Program, 3025 Bartlett Hall, Cedar Falls, IA 50614-0355, 319-273-3175.

University of Northern Iowa Foundation

The University of Northern Iowa Foundation (UNIF) is a non-profit organization established in 1959. The mission of the UNI Foundation is to grow and sustain private resources and build relationships to support the University of Northern Iowa, its students, faculty, staff and programs.

The UNI Foundation is designated as the central fundraising agency for the university. The UNI Foundation aligns its fundraising goals with the goals of the University's strategic plan. All fundraising campaigns are developed in consultation with UNI's president, provost, deans and directors with the concurrence of the Foundation's senior management team and UNIF Board of Trustees.

Private gifts from alumni and friends provide support for scholarships, capital projects and for academic and student service programs, and all gifts are used for the purposes which the donor intended.

To learn how you can invest in a better future for UNI and our students contact:

UNI Foundation
University of Northern Iowa
Cedar Falls, IA 50641-0282
319-273-6078 or 1-800-782-9522

Student Life

This section contains the following information:

- Division of Student Life (p. 28)
- Orientation and New Student Programs (p. 28)
- Housing (p. 28)
- Career Services (p. 29)
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Division of Student Life

Mission

We help students succeed.

We do this by:

- Facilitating engagement so that all UNI students **feel they belong**
- Emphasizing relational **experiences and connections**
- Prioritizing **holistic care** for the well-being of our students
- Meeting students **where they are** on their journey to success
- Providing ***radical* student service**, in all that we do

While embracing the values of:

- *Community*
- *Equity*
- *Inclusion*
- *Care*
- *Innovation*
- *Partnership*

Orientation and New Student Programs

https://success.uni.edu/orientation

Orientation programs facilitate the successful transition of new students to the University of Northern Iowa by offering comprehensive programming focused on academics, essential campus resources, and peer-to-peer connections. At orientation, new students meet 1-on-1 with an academic advisor to prepare for the first semester of enrollment and register for classes. Both first-year and transfer students who enroll at the start of the fall semester attend an orientation session in the preceding summer. All new students who enroll at the start of the spring semester attend orientation in December or January. Concurrent orientation programming is provided for family members/guests, with an emphasis on partnering with UNI to support students in achieving success throughout their entire college career.

Jump Start is an extended orientation program designed to facilitate the successful transition of students from underrepresented racial and ethnic backgrounds as well as students who have participated in AVID or TRIO programs (such as Upward Bound and Educational Talent Search).

During Panther Welcome, new students will have a chance to get acclimated to campus, make friends, meet staff/faculty and make UNI their home.

Welcome Week is geared at welcoming returning students back to campus and continuing to welcome new students to the Panther Family. Welcome Week starts the Saturday before the fall semester begins through the first week of classes.

Housing

https://uhd.uni.edu/housing

Living in the Dorms

Official admission to the University of Northern Iowa is a prerequisite to contracting for housing in the residence halls. Once new students are admitted, Housing & Dining will send information about living on campus. Housing & Dining website includes information about each of the dorms, meal plans and the housing and dining contract. The housing and dining contract can be filled out online and is considered complete once you have accepted your offer of admission, paid the acceptance fee and agreed to the terms and conditions.

Priority for room self-selection is based on the contract completion date; the earlier your contract is completed, the greater the chances of getting in to the dorm and room you prefer. If an applicant finds it necessary to cancel the contract before occupying the room, any refund or forfeiture is based on the date of written notification and fulfills the terms of the contract.

Occupancy

Move-in for the fall semester begins during the week prior to the first day of classes; the actual move-in date depends on the student’s classification and years on campus. Spring semester move-in is generally the Friday before the start of the semester. If a reserved room is not occupied on the first day of classes and arrangements have not been made with Housing & Dining for later occupancy, the reservation will be cancelled and forfeiture of prepaid fees and penalties will be applied as stated in the contract terms and conditions.

The housing and dining contract covers a full academic year (fall and spring semesters) or the balance thereof; separate contracting is necessary for the summer term. If the contract is terminated before the expiration date, appropriate provisions of the contract will apply. The student is responsible for any financial liabilities incurred prior to the date of termination and a contract buyout fee.

Continuous housing during academic and holiday break periods is available in all dorms as part of the academic year contract. Students may also remain living in the dorms during the summer, regardless of whether or not they are enrolled in classes for the summer term, by adding a summer housing contract.

Dorms

University Housing & Dining is designed to provide housing to nearly 4,000 students in eleven residence facilities. Students living on-campus have the advantage of easy access to all classrooms, campus activities and campus resources. Dorm rooms have Internet access, are furnished and include laundry and utilities. Each dorm is designed with lounges, study rooms, recreational areas, laundry rooms and other facilities for the comfort and convenience of the students, as well as direct access to a computer lab. Both professional and student staff members organize social events that build a strong sense of community and inclusion, as well as support activities that promote academic success.

The dorms offer a mix of traditional double and single rooms, suites and apartment-style spaces. All are mixed gender and many offer all-gender housing. Residential communities within each of the dorms are divided up into houses of approximately 50 students. One resident assistant (a student staff member) lives within each community to serve as a resource for the members of that house.

Upper-Division Housing

Housing for upper-division students is available within all of our dorms. However, Lawther Hall, Panther Village, Roth Apartments and Jennings Court Apartments have been designed to better accommodate upper-division students.

Lawther Hall is a mix of traditional double rooms, single rooms and suites with private and semi-private bathrooms. Students living in Lawther Hall have a meal plan. Jennings, Panther Village and Roth are apartment-style residence halls, offering individual rooms within a common unit containing a private restroom, kitchen and living space. Students wishing to live in any of these accommodations must be a returning or transfer student.

Dining

Students living in the traditional dorms can select between the all-access or Block 220 plans. Both plans provide for meals in the two dining centers on campus, Piazza in Redeker Center and Rialto in Towers Center. Both come with Dining Dollars to be used at any of the campus retail stores.

Additional meal plan options are available to students living in our apartment-style halls, as well as those commuting to campus. Learn more online at https://uhd.uni.edu/meal-plans.

Housing and Dining Contracts

Contractual responsibilities are reviewed annually and are subject to change. Refer to terms and conditions of the current contract. The current terms and conditions are available at https://uhd.uni.edu/housing/contract-terms-and-conditions.

UNI Housing & Dining
1501 Redeker Drive, Cedar Falls, IA 50614-0252
319-273-2333
housing@uni.edu

Career Services

https://careerservices.uni.edu/

The Office of Career Services coaches students in gaining professional experience while attending UNI. From managing campus jobs to preparing for a fulfilling career, UNI Career Services provides expertise to be *career ready*.

UNI Career Services manages student employment and campus jobs. In addition, Career Services guides students in securing community positions including part-time, internship, and field experiences. By maintaining a robust network of thousands of employers and graduate programs, students have access to up-to-date employment trends.

Career Services strives to create access for students to interact with employers and graduate programs. Hosting four large-scale recruiting events annually, daily campus interviews, and a wide range of employer/graduate program engagements, students will graduate with a unique understanding of how to find career success. In preparing for future careers, Career Services provides students with personal assessments to explore careers: prepare application materials including resumes, cover letters, personal statements, and interviewing. Finally, Career Services provides workshops, small group leadership training, and one-to-one career coaching.

It is our mission to help students succeed. Visit our website at https://careerservices.uni.edu/ or stop by 102 Gilchrist to meet your career coach.

Iowa Vocational Rehabilitation Services

GIL 116B
319-273-6349
Jody.gibson@uni.edu (p. 1)

https://uni.edu/resources/disability

Iowa Vocational Rehabilitation Services is a state agency, provided space on campus by UNI, to serve persons with disabilities. The mission of IVRS is to help persons with disabilities become employed along with support while attending UNI. Vocational Rehabilitation may assist with the following services while students are participating in our program:

- Assessment of the disability
- Restoration/assistive technology
- Training/tuition assistance
- Class accommodations
- Counseling and guidance
- Job placement assistance

Services continue, as needed, until a person has successfully completed the degree as well as has been employed for over 90 days. Students desiring services can contact the office by phone or email to schedule an appointment between 8:00 a.m. and 4:30 p.m, Monday-Friday. Students will meet for an orientation of services, an intake appointment and then appropriate documentation will be requested to determine eligibility for services along with supports needed.

Student Accessibility Services (SAS)

Student Accessibility Services is located in Gilchrist Hall 118. SAS views disabilities as an integral part of the rich diversity at the University of Northern Iowa. To that end, we work collaboratively with students, faculty, and staff to create

an accessible living and learning environment for students. For more information regarding services and how to get connected, contact SAS at (319) 273-2332, accessibilityservices@uni.edu (accessibilityyservices@uni.edu), 118 Gilchrist Hall. Additional information on the accommodation process and how to submit a request is available at sas.uni.edu/.

Student Wellness Services

16 Student Health Center

319-273-3423

studentwellness.uni.edu/

Student Wellness Services is here to support student success in college and beyond. Our office provides engaging education related to self-care, personal health, and wellness specializing in college age topics such as stress management, sleep, alcohol and other drugs, and sexual health. Programs and individual services are student-centered and holistic through the eight dimensions of wellness (physical, emotional, social, intellectual, financial, occupational, environmental, and spiritual). Student Wellness Services meets with students one-on-one using motivational interviewing techniques for wellness coaching and alcohol and other drug prevention/harm reduction. Health promotion and education is also offered through fun, interactive activities with groups of students to promote health and wellness. Please visit our website identified above for more information.

Student Health Clinic

The University of Northern Iowa specializes in college health services. We have a board-certified family practice physician, a physician assistant, nurse practitioners, and psychiatric providers who are dedicated to caring for college students. Additional staff includes registered nurses, laboratory technologists, a certified medical assistant, mental health case manager and support staff. We want to serve as students' on-campus health resource and assist students in meeting their healthcare needs.

All registered University of Northern Iowa students are eligible to use our services. We encourage students to schedule an appointment by calling **(319) 273-2009**. We are located on West 23rd Street next to the Schindler Education Center.

The University offers health and dental insurance coverage to students through the Student Health Insurance Plan (SHIP), group policies administered by Wellmark Blue Cross and Blue Shield of Iowa and Delta Dental of Iowa. To be eligible for SHIP, you must be a registered student attending on-campus classes at the time coverage begins. The University of Northern Iowa requires that international students entering the University purchase the Student Health Insurance Plan provided by the Student Health Clinic. For more information visit us at health.uni.edu.

Counseling Center

Enrolled students paying the mandatory health fee are eligible for a free initial assessment and clinical recommendations. Therapy groups, crisis appointments, and 5 individual therapy sessions per academic year are provided at no additional charge. If more than 5 individual therapy sessions are needed, the Counseling Center will file a claim with your health insurance company.

Appointments for counseling may be made by calling 319-273-2676 or in-person at the Counseling Center. More information is available at counseling.uni.edu.

Recreation Services

Recreation Services, located within the Wellness/Recreation Center, offers campus-wide programs in informal recreation, fitness, aquatics, intramural sports, outdoor recreation, youth programs and sport clubs.

The Wellness/Recreation Center provides:

• (10) multi-purpose gymnasiums/courts for basketball, volleyball, and soccer

• (6) racquetball/wally ball courts

• a leisure pool with spa and water slide

• an eight lane, 25-yard lap pool

• (2) aerobics/dance studios

• a 38.5-foot climbing wall

• a free weight room

• Panther Performance Center for individual and small group high intensity workouts

• the UNI Outdoor Recreation Center

• a running track

• men's and women's locker and shower facilities

• a spacious fitness area with cardiovascular and strength training equipment

• West Campus Complex with outdoor recreation fields for a wide variety of sports and activities

• (9) lighted outdoor tennis courses

For more information visit the Recreation Services website at https://recreation.uni.edu/.

Military, Veterans, Spouses and Dependents

The University of Northern Iowa (UNI) is proud to serve military members, veterans, and families. UNI supports veterans, military members and their families as they transition from military duty, to college and future careers. UNI is committed to faculty and staff education, on and off campus resource networking, advocacy for and listening to each student. UNI ensures every student's voice is heard and concerns are addressed to achieve success in the classroom and beyond. For more information contact:

Coordinator, Military and Veteran Student Services
111-G Maucker Union (Plaza Level)
University of Northern Iowa
Cedar Falls, IA, 50614-0166
Phone: (319) 273-3040

UNI was designated the 2021-22 #1 Veteran Friendly small public institution, received a Military-Friendly® Gold status for 2022-2023,

and has sustained a designated Family Friendly® institution moniker for the last 7 years. Additionally, UNI was awarded the Military Advanced Education's (MAE) 2018 *Guide to Military Friendly Colleges and Universities* award. The MAE guide provides prospective students with information regarding institutions that excel in implementation of military friendly policies in support of men and women in uniform**.** Criteria for inclusion in the Military Friendly Schools list includes a strong commitment to recruiting, retaining, and providing financial, academic, and social services to student veterans.

UNI collaborates with the Veterans Administration (VA) and partnered with the Country Veteran Affairs Office to provide assistance to any veteran or member of their family eligible for education benefits and resources. School Certifying Officials will assist students to verify eligibility and certify classroom and attendance information. In abiding with the SIT-REP (Servicemembers Improved Transition through Reforms for Ensuring Progress) Act, the University of Northern Iowa will not impose late fees, deny access to classes or institutional facilities, or require individuals to borrow funds to meet their financial obligations to UNI as a result of the delayed disbursement of any payment from the VA. This policy is only applicable to Veterans or eligible dependents who are receiving educational assistance under Chapters 31 (VR&E), or 33 (Post 9/11 and Fry Scholarship) of title 38, United States Code. In accordance with the SIT-REP Act, students receiving VA educational benefits from Chapter 31 or 33 must provide a certification of eligibility for entitlement of educational assistance to the Office of the Registrar. Nothing in this policy precludes the University from assessing a late fee, denial of access, or any other penalty in relation to payments due to the University that are not covered by the SIT-REP Act.

For additional information, contact:

Office of the Registrar
University of Northern Iowa
Cedar Falls, IA, 50614-0006
Phone: (319) 273-2241

Student Activities and Honors

Co-curricular activities are encouraged at the University of Northern Iowa because of the important contribution these activities make to the total education of the student. The university maintains an extensive program of co-curricular activities: intercollegiate athletics, theatre, forensics, publications, music, social life, student organizations and interest groups, intramural sports and recreational activities, and sports clubs.

Speech and Debate

The forensics program (Panther Speech and Debate teams) invites all interested students to participate in debate and/or individual events speech, regardless of your major. Sponsored by the Department of Communication and Media, our speech and debate teams travel regionally and nationally to participate in 20-25 intercollegiate meets each year. Further information is available at cm.uni.edu/forensics.

Fraternities/Sororities

The Greek community at UNI consists of nationally affiliated (National Interfraternity Council and National Panhellenic Council) social sororities and fraternities, and nationally affiliated (National Panhellenic Council) historically African-American sororities and fraternities. The Greek community has a long, rich tradition of supporting student involvement and development, and providing service, social and leadership opportunities. Formal and informal membership recruitment and intake processes take place each semester. More information is available at https://studentlife.uni.edu/fsl.

Honor Organizations

Superior achievement in various academic disciplines and in extracurricular activities is recognized in honor organizations. Information on these organizations may be obtained from the Office of Student Life, located on the plaza level of Maucker Union, or at https://studentlife.uni.edu/.

Intercollegiate Athletics

Various intercollegiate sports are available to both men and women at UNI. The university engages in intercollegiate athletic competition in a total of 17 sports. Men may participate in basketball, cross country, football, golf, indoor and outdoor track, and wrestling. Women also compete in basketball, cross country, golf, and indoor and outdoor track, as well as in soccer, softball, swimming and diving, tennis, and volleyball.

UNI Athletic teams participate within Division I of the NCAA. UNI Football is part of the Division I Football Championship Subdivision (FCS, formerly 1-AA). The University Athletics Program is a member of the Missouri Valley Conference, the Missouri Valley Football Conference, and the Big XII Conference. All intercollegiate athletic programs are governed and operated in accordance with NCAA, Conference, and university rules and regulations. In some instances, university rules and regulations may be more restrictive than those of the NCAA and/or Conference.

Interest Organizations

Numerous organizations sponsored by departments and specialized interest groups provide students the opportunity to become better acquainted with other students and faculty as well as to explore leadership skills and perpetuate interests outside the classroom. Many of the organizations have no membership requirements other than an active interest in the work for which the club exists and regular attendance at the meetings. Information on specific interest organizations can be obtained in the Office of Student Life, located on the plaza level of Maucker Union, or at https://studentlife.uni.edu/student-organizations.

Maucker Union Advisory Board

The Maucker Union Advisory Board, comprised primarily of students, provides feedback and guidance on all issues related to Maucker Union administration, facilities, and programming. More information is available at https://studentlife.uni.edu/.

Music

Music organizations and ensembles are open to all students. Participation by non-music majors is encouraged. Credit is available to all who participate. Among the groups offered are: Concert Chorale, UNI Opera Ensemble, UNI Singers, Varsity Glee Club, Cecilians, Cantorei, Pep Band, Wind Ensemble, Panther Marching Band, Symphonic Band, Concert Band, Jazz Bands, Symphony Orchestra, plus several instrumental ensembles. Ensemble requirements for enrollment include auditions, placement hearings or no audition

depending on each specific course offered. For further information visit https://music.uni.edu/.

Northern Iowa Student Government (NISG)

The Northern Iowa Student Government (NISG) is comprised of three separate branches: Legislative, Executive, and Judicial. The Legislative branch contains senators from all colleges across the university. The Executive branch includes the President, Vice President, Director of Public Relations, Director of Finance, Director of Government Relations, Director of Diversity, and the Chief of Staff. The Judicial branch is composed of nine justices, including a Chief Justice and a Clerk of Court. NISG is actively involved in initiatives to improve the university experience for all students. Members of this organization work with faculty, local, and state officials to address student interests and concerns. More information is available at https://nisg.uni.edu/.

Professional Performing Arts on Campus

For more information, refer to The Fine and Performing Arts at UNI section of this University Catalog.

Religion

Surrounding the campus are various student religious centers. Information on specific religious organizations may be obtained in the Office of Student Life, located on the plaza level of Maucker Union.

Social Life

The social life at the University of Northern Iowa is flexible, designed to meet the ever-changing interests and needs of the students and university community. Social opportunities include popular and cultural film programs, art exhibits, fine arts productions, live musical entertainment, dances, campus-wide events, speaker programs, forums, and community service projects. Much of the program planning relies heavily on student involvement. Information pertaining to involvement is available through the Office of Student Life, located on the plaza level of Maucker Union, or at https://studentlife.uni.edu.

Station KULT-LP

Station KULT is the student-managed and operated radio station of the University of Northern Iowa. The station operates at 94.5FM and on Channel 5 of the Campus Cable Television System. KULT programming consists of music, UNI sporting events, and news. The studios and offices of KULT are located in the lower level of Maucker Union. For further information go to https://kult.uni.edu/.

Student Government

The student government associations include the Northern Iowa Student Government, the Residence Halls Association, the Interfraternity Council, Panhellenic Council, and the individual residence hall senates.

Student Publications

The Northern Iowan is written, illustrated, and edited by students for campus-wide distribution. This student newspaper is distributed twice a week during the fall and spring and once a week during the summer session https://www.northerniowan.com/.

Theatre

Any enrolled student is welcome to audition or volunteer for production responsibilities in the major productions or many student shows produced by TheatreUNI. Seasons typically include classical, modern and contemporary drama, musical comedy, and theatre for youth. All members of the university community are invited to attend productions in the Strayer-Wood and Bertha Martin Theatres. For additional information, including audition postings, visit the website https://theatre.uni.edu/.

Veterans

UNI welcomes any student who is interested in joining the UNI Student Veterans Association (UNIVA). UNIVA's purpose is to educate the campus community about military and veterans, support student members of the military who are currently serving, assist those deploying or returning from deployment, or have completed military service and are transitioning to an educational institution. UNIVA builds comradery and contributes to the improvement of UNI as a Military Friendly institution. UNIVA believes in having fun and socializing with the local veteran community to include the veteran students who attend the University of Northern Iowa.

University Facilities and Educational Services

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University Facilities

Rod Library

https://www.library.uni.edu/

Located in the heart of campus, Rod Library offers resources, spaces, and programming to the UNI and local communities. Rod Library supports the curricular, informational, and research needs of UNI's students, faculty, staff, and local community.

Mission

Rod Library empowers and inspires our community to discover, imagine, create, and innovate.

Vision

Rod Library aspires to be the best comprehensive university library in the country.

Rod Library is a four-story building that is centrally located on campus. Also housed in Rod Library are the Center for Excellence in Teaching and Learning, and the Office of Undergraduate Studies.

The library provides a variety of services, unique collections, the Learning Commons and study spaces for individuals and collaborative groups.

Services

- Library Services Desk (research help and check-out of materials)
- Over 1,200,000 print books and journals
- Access to over 80,000 electronic journals, 490,000 electronic books, and 150,000 additional electronic resources
- Interlibrary Loan (for materials not held at Rod Library)
- Course reserves
- Checkout of phone chargers, DVDs, CDs, laptops and more
- Family Study Room

Unique Collections

- CIEP and ESL Collection
- Fine and Performing Arts Collection
- Special Collections and University Archives
- UNI Museum
- UNI ScholarWorks
- Youth Collection

Learning Commons

- Makerspace
- Book Bistro
- Listening and viewing room
- The Learning Center @ Rod Library

Collaborative workstations and spaces

- Quiet study spaces
- Active study spaces
- Group and individual study rooms
- Active Learning Instructional Classrooms
- Meeting spaces with technology (e.g. the Surface Hub)
- ScholarSpace

Rod Library is open Monday-Thursday from 7 a.m. - midnight, Friday 7 a.m. - 7 p.m., Saturday 12 p.m. - 5 p.m., and Sunday 12 p.m. - midnight during the Fall and Spring semesters, with extended hours during finals.

All hours

library.uni.edu/about-us/hours

Research Help

library.uni.edu/ask-us-research-help

Interlibrary Loan (for materials not held at Rod Library)

library.uni.edu/find-borrow-request/interlibrary-loan

Human Performance Center

Opened in late fall of 2007, the 33,000 square feet Human Performance Center represents a unique public/private partnership between UNI and Cedar Valley medical community. Designed to support the academic and public service programs of UNI's Department of Health, Recreation and Community Services, the center includes classrooms, offices, laboratories and medical office space. The Human Performance Center has two distinct areas: the Sport and Human Performance Center which provides space for UNI's Athletic Training academic program, Cedar Valley Medical Specialists P.C.-Department of Orthopedics and Northeast Iowa Physical Therapy as well as space for sports medicine and hydrotherapy services; and the Davis Center for Healthy Youth Development provides space for UNI Community Engagement Office, the R.J. McElroy Professor of Youth Leadership Studies, Nonprofit Leadership Alliance, and the National Program for Playground Safety.

Maucker Union

The Maucker Union, located east of the UNI Library, serves as an informal meeting place for students, faculty, staff, alumni, and guests of the university. The unique facilities of Maucker Union are useful for a wide range of activities including cultural, recreational, and conference events.

General services include: meeting rooms, HealthBeat exercise facility, computer lab and dining/retail services. The building houses the offices of the campus newspaper (Northern Iowan), student government (NISG), student radio, the Center for Multicultural Education, student organization offices, Gender and Sexuality Services office, Military and Veteran Student Center, and International Student Programs.

Student Involvement & Event Services is responsible for the programs which focus on co-curricular development of the student. Leadership development, skills development, support for student organizations/ interest groups, Greek Life, programming and event scheduling are central to this office.

Social and cultural activities include movies, comedy, forums, and lectures. Maucker Union is financed through fee monies, general education funds, and income-producing services within the building.

More information about Maucker Union and special programs and events can be obtained at union.uni.edu.

The Commons

Students, staff, and university guests use the Commons in a variety of ways. Housed within this building are the Georgian Lounge and the Slife Ballroom. The Georgian Lounge is used for teas, receptions, and other special occasions. The Slife Ballroom is a multi-purpose room used for banquets, dances, lectures, and student activities.

Marshall Center School

Built in 1893, the Marshall Center School is a symbol of UNI’s contribution to Iowa’s long record of excellence in education. This historic structure was moved from Pocahontas County in western Iowa to the campus in 1987 to celebrate the early history of the campus as a teachers college. It now serves as a museum telling the story of early Iowa education.

Marshall Center served as a school, community meeting place, township school board meeting room, and voting place from 1893 until 1944. It has been restored and furnished as it would have looked circa 1922 and is one of the most authentic one-room school museums in Iowa. Programs are presented at the school to campus classes, regional elementary school groups, and the general public. Storytelling, reenactments, and presentations help visitors step back in time to visualize a typical day at a rural school.

The school is located at the corner of West 23rd and Indiana Streets and is open by appointment by contacting Nathan Arndt, Assistant Director, nathan.arndt@uni.edu or 319-273-2188.

For hours of operation and further information, visit https://museum.library.uni.edu/

Broadcasting Services

Administratively housed in the College of Humanities, Arts and Sciences are UNI's two separately programmed public radio stations. KUNI-FM serves the Cedar Falls/Waterloo, Cedar Rapids, and Iowa City areas at 90.9 on the dial. KUNI can also be heard at 89.7 in Dubuque, 102.1 and 94.5 in the Quad Cities, 88.9 and 101.7 in Des Moines, and at 91.5 in Mason City and 1010 AM in north central Iowa. KUNI offers listeners news and information programming during the day and contemporary music at night. KHKE-FM, at 89.5 on the dial, serves the Cedar Falls/Waterloo metro area with an arts and classical music format. KHKE is also heard at 90.7 in Mason City and 91.1 in Ottumwa. KUNI and KHKE are part of Iowa Public Radio which includes the public radio stations of the University of Iowa and Iowa State University. UNI students majoring in Electronic Media in the Department of Communication and Media serve as interns for the two stations.

For further information, visit http://iowapublicradio.org/.

University Events Coordination

University Events Coordination provides assistance in planning, budgeting, managing and evaluating conferences and seminars to enable the community to use UNI as a valuable resource.

This office has coordinated local events, small seminars, large conferences, simple operations and complex multiple speaker and site programs, and has resources and experience to help make each project a smooth, successful operation.

For information, call 319-273-5141.

Office of University Relations

The Office of University Relations leads and oversees all official institutional marketing and communication channels, programs and activities used to reach internal and external audiences.

These specifically include activities related to logos and marks/visual identity, style, usage, public relations, crisis communication, media relations, university website (web content and design), mobile app content and design, social media, internal campus communication, mass email, community relations activities, printing, displays,

paid media, photography, graphic design, marketing support and contracting for related professional services.

University Relations develops standards, guidelines and procedures necessary for the effective management of university branding and communication efforts, and routinely communicates these to university units.

For more information, visit ur.uni.edu or call 319-273-2761.

The University of Northern Iowa Alumni Association

The UNI Alumni Association boasts of more than 122,000 living alumni. More than 60% of our graduates live in Iowa, a testament to our standing as Iowa's university. Our mission is to facilitate communications and outreach activities with alumni, students and friends of UNI.

It is never too early to get involved with your Alumni Association. There are dozens of opportunities to network, learn and lead. Learn more at unialum.org, email alumni@uni.edu, visit our office at 205 Commons or call 319-273-2355.

Association Scholarships

Each year the Alumni Association awards three scholarships to current UNI students who have shown involvement with campus organizations, events, and activities. Two scholarships are awarded to undergraduate students, including one to a child of an alum. The third scholarship is awarded to a UNI graduate student who received their bachelor's degree from UNI.

The UNI Office of Student Financial Aid and Scholarships coordinates the awards.

Connecting Alumni to Students (CATS)

CATS, an official student organization of the UNI Alumni Association, is dedicated to enhancing UNI as a great place to live and learn; to serve as official keepers of traditions; to represent UNI in a positive manner on and off campus; and serve as a link between students, administration, and alumni. Learn more about this nationally recognized student group at unialum.org/cats.

Official UNI Class Ring

The custom-crafted UNI Ring features the UNI Campanile and founding date of 1876 around the crown. The campanile was built in 1926 to commemorate UNI's 50th anniversary. The four bells, which sound on the hour and quarter hour, are dedicated to the president of the university, the school children of Iowa, the faculty, and UNI students and alumni. The inside of the ring is inscribed with the word LUX, Latin for light. The word and map has been a part of the University seal since 1876.

The ring is available for purchase to those who have completed 60 credit hours at UNI. Learn more at unialum.org/ring-program.

UNI Outreach Events

The Alumni Association hosts a variety of events to connect alumni to the university. Parents and students are welcome to attend any UNI Alumni Association event or program. Celebrate the Power of Purple! Find a complete schedule of events at unialum.org.

UNI Alumni Clubs

The Alumni Association has established clubs across the countries. These alumni-led organizations plan events throughout the year including networking events, game watches, community service activities, and a variety of other opportunities to connect with fellow panthers.

Learn more at unialum.org/alumni-clubs.

The University of Northern Iowa Foundation

The University of Northern Iowa Foundation (UNIF) is a non-profit organization established in 1959. The mission of the UNI Foundation is to grow and sustain private resources and build relationships to support the University of Northern Iowa, its students, faculty, staff and programs.

The UNI Foundation is designated as the central fundraising agency for the university. The UNI Foundation aligns its fundraising goals with the goals of the University's strategic plan. All fundraising campaigns are developed in consultation with UNI's president, provost, deans and directors with the concurrence of the Foundation's senior management team and UNIF Board of Trustees.

Private gifts from alumni and friends provide support for scholarships, capital projects and for academic and student service programs, and all gifts are used for the purposes which the donor intended.

To learn how you can invest in a better future for UNI and our students contact:

UNI Foundation
University of Northern Iowa
Cedar Falls, Iowa 50614-0282
319-273-6078 or 1-800-782-9522

Educational Services

Undergraduate Academic Advising

UNI's undergraduate academic advising is structured for students to receive guidance from a designated representative in their academic department. It is the responsibility of the student to track their progress toward degrees and meet requirements for graduation. All students are encouraged to meet each semester with their assigned academic advisor for guidance and their record analyst in the Office of the Registrar two semesters prior to expected graduation date to verify satisfying degree requirements.

University Academic Advising Vision Statement

UNI aspires to create the best academic advising experience for each student.

University Academic Advising Mission Statement

Academic advising is a critical component of the teaching and learning environment at UNI. Advising is a personalized educational experience, empowering students to explore, articulate, and achieve their academic, career, and life goals.

University Academic Advising Goals

1. Promote a culture of quality academic advising through advisor education, recognition, and reward, and advising program assessment.
2. Assist students in understanding the nature and purpose of higher education.
3. Ensure that all students have access to knowledgeable and respectful advisors.
4. Provide accurate information about university requirements, policies, and procedures.
5. Encourage, support, and guide students to take responsibility for meeting their own educational, personal, and career goals.

Office of Academic Advising

https://advising.uni.edu/

The Office of Academic Advising engages students by connecting them to potential majors and careers, while facilitating their academic and personal success through exploration, transitions, and resources.

The Office of Academic Advising serves as the academic center for exploratory students, first-year students in select majors, students changing majors, and students reassessing their current academic situation. The Office of Academic Advising can help individuals to:

- explore academic majors and connect to careers
- relate career goals to academic programs and opportunities
- select appropriate coursework and engagement experiences
- tailor academic programs to fit interests
- interpret institutional requirements and processes / procedures
- develop critical-thinking and decision-making skills

With a supportive community and network, the Office of Academic Advising guides students through a structured program to develop goals and expectations based on their interests, strengths, and skills.

Questions related to new student advisement and undergraduate advising should be directed to:

Office of Academic Advising
007 Innovative Teaching and Technology Center (ITTC)
319-273-3406

The Learning Center @ Rod Library

Main Floor Rod Library

https://tlc.uni.edu/

The Learning Center @ Rod Library (TLC) is staffed by professional educators and trained, certified peers who deliver quality services in an accessible, supportive environment to help students become more independent, effective, and confident learners. At UNI's TLC, you will find students helping students develop the academic skills necessary to be successful in college and beyond, by assisting students to study more effectively, draft essays, expand math skills, prepare for tests, revise papers, develop lab reports, manage study time effectively, improve reading skills, create a study plan, avoid plagiarism, and much more. TLC services are offered free of charge to all currently enrolled students.

Examination Services

007 ITTC
319-273-3926

Examination Services offers credit by examination, certification examinations, and most major national college and professional school entrance exams. Services are provided to enrolled graduate and undergraduate students, non-UNI students, and non-students.

Examination Services offers these tests:

- Praxis Core
- Praxis ll for teacher certification
- College Level Examination Program (CLEP tests for college credit)
- Test of English as a Foreign Language (TOEFL)
- American College Testing Program (ACT)
- SCANTRON assessments and certification tests
- DSST Subject Standardized Test for College Credit
- ISO Quality Certification Tests

Examination for Graduate School Admissions:

- To determine which examinations you are required to take, it is recommended that your meet with your current advisor and/or department head and the graduate student advisor for the programs to which you are applying. Graduate Record Examination (GRE) and Miller Analogies Test (MAT)

Professional School Admission Tests:

- Law School Admission Test (LSAT)

Information Technology

Information Technology (IT) is responsible for the strategic planning and delivery of information technology services to the University of Northern Iowa. Services include support for enterprise systems serving academic and business functions, communications systems, data and voice network services, systems administration, endpoint device support, help desk services, academic technology integration services, support for classrooms and learning spaces, online learning systems, business intelligence and reporting, identity management and authentication, multimedia services, and many others.

- **IT Web Site:** https://it.uni.edu
- **Support and Training**: https://elearning.uni.edu/faculty-workshop-calendar
- **Student Computer Labs**: https://it.uni.edu/student-computer-centers
- **Services and Solutions**: https://it.uni.edu/services
- **eLearning**: https://elearning.uni.edu
- **CATID Passphrase Information:** https://it.uni.edu/kb/8354
- **Google Apps**: https://it.uni.edu/available-google-apps
- **Departmental Purchasing:** https://it.uni.edu/departmental-purchasing
- **Personal Purchasing**: https://it.uni.edu/personal-purchasing-uni-students-faculty-and-staff

HNI Corporation Instructional Resources and Technology Services

https://coe.uni.edu/irts

HNI Corporation Instructional Resources and Technology Services, within the College of Education, provide services and resources for teacher education students, faculty and staff. Many of the services are also available for N/K-12 grade teachers and administrators. IRTS offers resources and technological services for the pursuit of curriculum and instructional development. OneSearch can be used to search library catalog for curriculum resources in the IRTS collection. IRTS facility provides an open space for creativity and collaboration.

The mission of Instructional Resource and Technology Services is to provide students, faculty and in-service teachers/administrators with laboratories in which to examine and evaluate new curriculum resources. Resources include textbooks, professional materials, computer software, Macintosh and Windows computers, multimedia systems and more.

Visit our website for more detailed information at https://coe.uni.edu/irts.

Educational Opportunity Programs and Special Community Services (EOP/SCS)

The University of Northern Iowa places a high priority on providing quality education to financially disadvantaged and minority students. To fulfill this commitment for all students, the university has established the **Educational Opportunity Programs and Special Community Services Department (EOP/SCS)**. EOP/SCS is designed and coordinated specifically to meet our students' educational, social, and financial needs for pursuing their educational goals and prepare for careers. A primary goal for EOP/SCS staff is to provide supportive services to all project students, thus enhancing the successful completion of the student's college career. EOP/SCS consists of the following programs: the UNI Center for Urban Education (UNI-CUE), Educational Opportunity Center (EOC), Educational Talent Search Cedar Rapids (ETSCR), and Upward Bound.

EOP/SCS provides a positive environment for lifetime learning. EOP/SCS staff collaborates with other campus departments and community programs to match its resources with community needs.

The **Center for Urban Education (UNI-CUE)**, located in the heart of the urban area of Waterloo, Iowa, is the university's community connection. It represents the university's strong commitment to cultural diversity. In addition to hosting UNI's federally funded TRiO programs, the UNI-CUE has a number of in-house programs that serve both UNI students and citizens of Black Hawk and Linn Counties:

- **Continuing Education Classes** are offered at the UNI-CUE Monday through Thursday afternoons and evenings. Courses continue to be expanded and offered during a time convenient for most nontraditional students.
- During the academic year, the **UNI-CUE Tutoring Center** provides tutoring services free of charge to K-12 students from Black Hawk County. Tutors work one-on-one with students at all skill levels in English, reading, composition, social sciences, math, and other content areas as requested. The Tutoring Center is specifically designed to provide students with skill development over the course of several weeks to a semester.
- A free **ACT Prep Program** for high school students from Black Hawk County who are preparing to take the ACT Exam. Prep sessions are held on four days each week during the academic year. Each session consists of 60 minutes of tutoring on a specific subject (Math, Reading, English/Writing, and Science) plus 30 minutes of Test Taking Strategies. Students can repeat courses as often as they feel is necessary in order to raise their ACT/SAT scores.
- The **UNI-CUE Leadership Academy** is a four-week summer program for students preparing to enter middle school in the fall. Students must be nominated for this program by their 5th grade teachers. During the program, students work to improve their reading, writing, and study skills. Students participate in cultural outings and field trips. They are also are introduced to guest speakers who present on a variety of topics pertinent to their age level.

The **Educational Opportunity Center (EOC)** is an academic counseling program, which promotes post-secondary education in communities with large populations of low-income, first-generation adults who are often not aware of educational and career opportunities available to them. Professional career and education counselors assist eligible adults with selecting a post-secondary institution or training program suited to their interests. Counselors assist clients with the completion of admissions and financial aid applications, scholarship searches, and defaulted student loans, as well as provide academic development workshops (study skills, test taking, college writing, and basic reading and math skills) and academic advising. EOC services are free to eligible participants who are age 19 or older and do not have a four-year degree.

The **Educational Talent Search (ETS)** program helps students prepare for and acquire a college education. All students who attend one of the Waterloo Community School District's public middle or high schools (Bunger, Central, Hoover, Logan, East, Expo, or West), high school graduates (who are not currently taking college courses), and high school/college dropouts living in Black Hawk County through age 27 are eligible to apply. ETS is an educational counseling service designed to assist 1,200 students to continue in and graduate from high school and enroll in an educational program beyond high school, and also to assist high school and college dropouts to return to an educational program.

Like its ETS counterpart, the **Educational Talent Search - Cedar Rapids (ETSCR)** program is a college preparatory program funded by the US Department of Education. The goal of ETSCR is to encourage participants to graduate from high school and to enroll in college. ETSCR participants are students who demonstrate potential for postsecondary education, but may be lacking resources and knowledge to prepare adequately. Two-thirds of participants in ETSCR must meet income requirements and be first-generation college-bound (meaning neither parent has received a Bachelor's degree). ETSCR services are available to 6th - 12th grade students who attend school in the Cedar Rapids Community School District (Franklin, McKinley, Roosevelt and Wilson middle school and Jefferson and Washington high schools).

The **Upward Bound (UB)** program is a college preparatory program designed to empower program participants with the academic skills

and motivation necessary for success in high school and ultimately college. UB serves students from low-income first-generation families who demonstrate potential for college as measured by standardized tests, high school grades, and written recommendations from a school administrator, counselor, or teacher.

UB focuses around the after-school Supplemental Instructional/ Tutorials program. It includes academic advising, career exploration, college tours, study skill development workshops, leadership conferences, and other activities. During the summer, UB students spend six weeks living in UNI dorms attending enrichment courses in mathematics (algebra, pre-calculus), English (literature and composition), science (biology, physics), foreign language (Spanish, French), economics, and computer science. In addition, students participate in cultural enrichment activities. Students earn credits, which are transferable to the college or university that the student will attend upon high school graduation.

Contact Information:

Educational Opportunity Programs & Special Community Services (EOP/SCS)

800 Sycamore Street
Waterloo, IA 50703
319-273-4772 fax 319-433-0160
https://eop.uni.edu/

University of Northern Iowa Center for Urban Education (UNI-CUE)

800 Sycamore Street
Waterloo, IA 50703
319-273-4772 fax 319-433-0160
https://eop.uni.edu/uni-cue

Educational Opportunity Center (EOC)

800 Sycamore Street
Waterloo, IA 50703
319-273-4774 fax 319-433-0160
https://eop.uni.edu/educational-opportunity-center

The Roy Eblen Speech and Hearing Clinic

This clinic offers communication services in the areas of speech, language, swallowing, and hearing to both university and community members. These clinical services form an integral part of the program of professional preparation in speech-language pathology. Majors in communication disorders and speech-language pathology carry out clinical services under the supervision of the faculty and clinical instructors in the Department of Communication Sciences and Disorders. Services offered include audiological evaluations, speech and language evaluations, and therapy services for individuals of all ages.

UNI Child Development Center

https://cdc.uni.edu/

The UNI Child Development Center (CDC) is an accredited non-profit care and early learning facility designed to meet the needs of young children by providing quality programming within a safe and nurturing environment. The CDC provides high quality, full-time childcare for the children of faculty, staff, and students of the University of Northern Iowa.

The CDC serves as an educational laboratory for UNI students majoring in Early Childhood Education and other related fields, facilitating the students' learning about young children. Inclusionary special education services are integrated within all of our classrooms and serve identified students who need an individualized education program. When a child is enrolled with special needs, staff are oriented in understanding that child's special needs and ways of working with the child in the group setting. Certified teachers, assisted by university students, provide instruction in the multi-age classrooms. The CDC goals include providing an innovative curriculum based on current research, developing of teacher education curriculum, and modeling developmentally appropriate evaluation processes.

The CDC is located in the Nielson Fieldhouse. The CDC serves approximately 62 children. The Center operates on the university calendar, offering programming during the academic year and summer sessions.

For more information on the programs offered, or to learn how to register your child, call the CDC at 319-273-3946. Or you may visit the CDC office located in the Nielson Fieldhouse, 1901 Campus Street, Cedar Falls.

The Fine and Performing Arts at UNI

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  - Department of Communication and Media (p. 39)
  - Department of Kinesiology & Athletic Training
  - Department of Languages & Literatures (p. 39)
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- Programs (p. 40)
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Facilities

Department of Art

art.uni.edu

Kamerick Art Building

The Kamerick Art Building, which houses the Department of Art and the UNI Gallery of Art, was completed in 1985. The design of the building is based on an elegant modular plan and has won several architectural awards. The 67,000 square foot interior is divided into studios, classrooms, a lecture hall, visual resource center and offices. There is a state of the art computer lab and each studio area is well equipped with specialized tools for each artistic medium. The building has a beautiful courtyard adjacent to a striking glass atrium and serves as an anchor to the main east-west campus promenade.

UNI Gallery of Art and UNI Permanent Art Collection

gallery.uni.edu

The UNI Gallery of Art is the exhibition and performance venue of the UNI Department of Art and serves as a vital cultural resource for the campus and the region. A yearly roster of diverse programming supports departmental curriculum as well as the university's goal to create and maintain an inclusive educational environment that prepares students to thrive in a diverse, global environment.

With a season of eight major exhibitions and supplementary public events like lectures and performances, the Gallery features some of the most outstanding artwork, innovative artists, and exciting speakers in contemporary art. Gallery programming stresses the cultivation of contemporary artists and scholars with diverse backgrounds, training, and art practices. The principal objective is to create crossover attendees and introduce to our viewers artists intersecting disciplinary, aesthetic, and cultural boundaries.

Another objective is to create bonds across disciplines and partner with other arts, culture, and education organizations. Educational employment opportunities are also offered to UNI students interested in careers in arts administration and museum studies. The Gallery's student staff gains valuable experience in museum and gallery management through Work Study, Cooperative Education internship, and volunteer opportunities.

The Gallery houses most of the UNI Permanent Art Collection in a specialized storage and research facility. Among the nearly 3,000 objects in the Collection are art objects by prominent artists such as Berenice Abbott, Josef Albers, Romare Bearden, George Grosz, Philip Guston, Pablo Picasso, Rembrandt, and Jaune Quick-To-See Smith. This collection is complemented by numerous public art works.

Gallery and Art Collection tours may be booked by appointment. For additional information visit https://gallery.uni.edu.

Department of Communication and Media

https://commstudies.uni.edu/

Lang Hall

The **UNI Interpreters Theatre** serves as both a teaching studio for performance studies classes and as a performance/rehearsal space for public performances. The 90-seat flexible black-box style studio is equipped with full light and sound support.

Department of Kinesiology & Athletic Training

www.uni.edu/coe/departments/school-health-physical-education-leisure-services/overview/facilities-and-locations

The Wellness and Recreation Center (WRC) houses the Department of Kinesiology & Athletic Training. The WRC is a state of the art facility completed in 1998. The Department of Kinesiology & Athletic Training uses the following areas of the WRC for teaching, research, and service: laboratories (exercise physiology, psychomotor, and biomechanics), classrooms, fitness facilities and gyms, faculty and administrative offices.

Department of Languages & Literatures

langlit.uni.edu

North American Review offices

The offices for the *North American Review*, the nation's oldest literary magazine, are located in Bartlett Hall, which was constructed in 1914 and extensively renovated in 2014, receiving LEED Silver certification from the U.S. Green Building Council. The offices include editorial and production space where students assist in the editing, layout and production of the magazine.

School of Music

Russell Hall and Gallagher Bluedorn

https://music.uni.edu

Russell Hall has been the home of the School of Music since 1962. Completely renovated and expanded in 2008, the building contains a 400-seat auditorium, jazz and chamber music rehearsal halls, recording facilities, a music technology lab, several music education classrooms, office space for music faculty and staff, and over 35 practice rooms. In spring of 2000, the School of Music expanded into the Gallagher Bluedorn, creating additional space for School of Music students, faculty, ensembles, and concert events. For more information visit music.uni.edu.

Department of Theatre

https://theatre.uni.edu/

The Strayer-Wood Theatre

Constructed in 1978, the Strayer-Wood Theatre was the first theatre built in Iowa with public funds, acknowledging the state's responsibility to serve the campus and the community through the arts. The building features two fully-equipped theatre spaces: a 500-seat convertible thrust/proscenium theatre and a black box (see The Bertha Martin Theatre below) as well as support spaces, an alternative performance space, classrooms and offices for the Department of Theatre and TheatreUNI. The university's student-performed plays and musicals occur in the Strayer-Wood.

The Bertha Martin Theatre

A part of the Strayer-Wood complex, the Bertha Martin Theatre is a 125-seat flexible black-box style theatre with full light and sound support. Used primarily for public performances of plays and musicals, the theatre is also in heavy use as a rehearsal and training space for theatre classes. It was equipped and partially funded with a bequest from the students of Bertha Martin, the founder of the theatre program at the university.

Programs

www.gbpac.org

Each season, Gallagher Bluedorn brings a variety of performances to the Cedar Valley. With a pedigree of great Broadway musicals, standup comedy, classical music and more, Gallagher Bluedorn provides an educational and entertaining outlet for families and students of all ages. Thanks to their activity fees, full time students can each get two free tickets per semester for any Artists Series show.

Department of Art

art.uni.edu

Visiting Lecturers Series

Each year the Department of Art hosts a number of prominent artists, designers, art educators, art historians, and critics who present public lectures and teach studio workshops. Students have the opportunity to meet and exchange ideas with many art world luminaries as they learn about career opportunities, contemporary trends, and critical issues within the fields of art, design and art education.

Student Exhibition Opportunities

Art students are encouraged to exhibit their work in a variety of gallery spaces. The UNI Gallery of Art hosts the Annual Juried Student Art Exhibition each spring, Vertigo A-Go-Go, a yearly evening of student performance art, and graduating BFA student exhibitions at the end of each semester.

Department of Communication and Media

https://commstudies.uni.edu/

UNI Interpreters Theatre

Is a co-curricular program in the Department of Communication and Media that involves students from all across campus. In this performance group, smaller-scale productions based on social and cultural issues, oral histories, and traditional performances of literature are created and performed. Some of the subjects covered in the past include social justice issues, environmental issues, eating disorders, autism, children's literature, rural farm families, and purity balls. Students do not need to have prior performance experience to participate. For further information, contact Dr. Danielle McGeough in the Department of Communication and Media at 319-273-6985.

Department of Languages & Literatures

The *North American Review*

https://northamericanreview.org/

Founded in Boston in 1815, the *North American Review* is the oldest and one of the most culturally significant literary magazines in the United States. Since 1969, the magazine has been housed at the University of Northern Iowa, and it has served as a learning lab for generations of UNI students. Either as volunteers or via a for-credit practicum, students are introduced to the many aspects of literary publishing such as submission review, editorial processes, desktop publishing and office management. In addition to producing the namesake quarterly magazine, the NAR hosts a digital initiative, Open Space, as well as a book imprint, the *North American Review* press.

School of Music

https://music.uni.edu

Undergraduate Programs

The School of Music at UNI enrolls approximately 300 students in various degree programs. These students participate in a wide array of course offerings including music education, music theory, music history, performing ensembles, and applied lessons. Undergraduate course programs include the core curriculum (UNIFI/General Education) plus courses specific to the selected major in music. These degree programs range from 120-149 credit hours for completion.

Majors in Music:

- Bachelor of Arts (six tracks): General Studies, Jazz Studies, String Pedagogy, Performing Arts Management, Music History, and Music Technology;
- Bachelor of Music in Performance;
- Bachelor of Music in Composition;
- Bachelor of Music in Music Education (three specializations).

Minors in Music:

- Music;
- Jazz Studies.

Graduate Programs

The UNI School of Music awards graduate degrees (Master of Arts and Master of Music) with seven areas of concentration. Each degree requires a minimum of 30 semester hours in graduate-level courses for degree completion.

Majors in Music:

- Master of Arts;
- Master of Music in Performance (two specializations);
- Master of Music in Composition;
- Master of Music in Music Education (on-campus program);
- Master of Music in Music Education (off-campus program);
- Master of Music in Music History;
- Master of Music in Conducting;
- Master of Music in Jazz Pedagogy;
- Master of Music in Piano Performance and Pedagogy;
- Artist Diploma I and II program certificates.

Gallagher Bluedorn Performing Arts Center

www.gbpac.org

Artists Series

Over 30 internationally-acclaimed artists are presented each season in UNI’s Gallagher Bluedorn Performing Arts Center. From Broadway to baroque to the blues, the center hosts performances as well as educational residencies, allowing UNI students to interact with world stars.

Department of Theatre

https://theatre.uni.edu/

In addition to a full curriculum of theatre classes, the Department of Theatre offers a full range of productions throughout the year. It normally produces drama, musicals, theatre for young audiences, and original or experimental work.

TheatreUNI

The production arm of the Department of Theatre, TheatreUNI produces a fully mounted 4-6 show season of work featuring student performers and technicians.

Student Participation and Organizations in the Arts

www.gbpac.org

Gallagher Bluedorn offers numerous internships and job opportunities, including event management and stagehand positions, as well as roles in marketing and education. For more information call 319-273-3660.

Department of Communication and Media

https://commstudies.uni.edu/

UNI Performance Studies Program

All university students and staff are invited to attend public performances in the UNI Interpreters Theatre, free of charge. Participation in productions is open to all UNI students and community members. Auditions are held at various times throughout the academic year. Those interested in back stage work such as scenery, lighting, costumes, and props, are also needed for technical support. For further information, contact Dr. Danielle McGeough in the Department of Communication and Media at 319-273-6985.

Department of Languages & Literatures

Inner Weather

Inner Weather

UNI's student literary magazine, *Inner Weather,* is an annual student-run publication that publishes the best poetry, fiction, creative nonfiction, photography and art by current UNI students.

School of Music

https://music.uni.edu

Many music organizations and ensembles are open to all students by audition or application. Participation by non-music majors is encouraged. Credit is available to all who participate. Among the groups offered are:

- VOCAL
  Concert Chorale, UNI Opera Ensemble, UNI Singers, Varsity Glee Club, Cecilians, and Cantorei;
- INSTRUMENTAL
  Chamber Orchestra, Jazz Bands I, II, III, Panther Marching Band, Symphonic Band, Symphony Orchestra, and Wind Ensemble;
- SPECIALTY GROUPS
  Horn Choir, Jazz Combos, Northern Iowa Flute Choir, Percussion Ensemble, Clarinet Ensemble, Taiko Drum Ensemble, String Chamber Music, UNITUBA Ensemble, West African Drum Ensemble, and others. For additional information visit https://music.uni.edu.

Department of Theatre

https://theatre.uni.edu/

All university students and staff are invited to attend the productions in the Strayer-Wood and Bertha Martin Theatres. Tickets are free for UNI students. Theatre productions are often used in university classes as experiential learning opportunities.

All productions by TheatreUNI are open to participation by any enrolled UNI student. Auditions are held early in the semester or at times publicized on the Theatre website https://theatre.uni.edu and in the campus press. Students interested in non-performance participation can make a contribution in scenery and properties construction, costume and wardrobe, makeup and hair, lights and audio production, front of house, and stage management by contacting the Theatre office 319-273-6386 or the production's director.

UNISTA

The UNI Student Theatre Association is housed within the Department of Theatre and is composed of any students involved in theatrical production on campus; they need not be theatre majors or minors. It functions as an independent production organization that produces several small budget plays or musicals each year in the Strayer-Wood Theatre or other venues around the campus on an application basis.

Alpha Psi Omega

A National Honorary Fraternity for students participating in theatre at UNI. This organization performs service projects around the community and hosts an annual awards and honors banquet commemorating the previous year's season.

USITT

UNI's USITT Student Chapter is dedicated to providing opportunities to technical theatre students to learn, discuss, and hone their skills as young artists, technicians and managers. We offer a community to technical theatre students and help provide assistance to students who wish to attend the national USITT conference each year. This conference presents students with workshops, portfolio reviews and networking opportunities with theatre professionals.

UNI Multicultural Theatre Society

The UNI Multicultural Theatrical Society is a club for students of diverse multicultural backgrounds and student allies. The purpose of this organization is to give a voice to minorities and multicultural student performers and technicians through the art of theatre while fostering an inclusive environment.

Our mission is to represent our ever-changing society utilizing theatre as outreach. Theatre is an art form that asks us to accurately represent the underrepresented by holding a mirror to society through performance.

Community Participation and Organizations in the Arts

www.gbpac.org

Friends of the Gallagher Bluedorn membership provides support for programming and educational opportunities, including the Kaleidoscope series.

GBPAC Advisory Board: Gallagher Bluedorn is comprised of an advisory board consisting of community representatives, including UNI students and faculty.

Friends of the Permanent Art Collection and Gallery (PAC&G) membership provides support for the Permanent Collection and Gallery, including conservation, education, and programming (https://www.adv.uni.edu/foundation/adminunit.aspx?collegeid=chfa&deptid=231&projectid=223299).

Department of Art

art.uni.edu

The Department of Art promotes the arts on the UNI campus and in the greater Cedar Valley. The department sponsors joint exhibitions with local arts organizations such as the Hearst Center for the Arts in Cedar Falls and the Waterloo Center for the Arts. Faculty members within the Department of Art actively exhibit their work locally, regionally, nationally, and internationally. Many curate and organize exhibitions of works by other artists for galleries within the community. Faculty members are also active participants on boards, committees, and panels for local, state, and national arts organizations.

Department of Languages & Literatures

The Cedar Valley boasts a vibrant literary community, and students in the Department of Languages & Literatures are an important part of it. The Department works closely with Cedar Falls's Hearst Center for the Arts, which is located in the former house of poet and longtime UNI English professor, James Hearst. The Final Thursday Reading Series is a monthly creative writing forum at the Hearst Center that features published authors preceded by an open mic at which many students present their own original creative writing.

School of Music

https://music.uni.edu

UNI's School of Music is proud to continually aim for a greater commitment and connection to the surrounding community. The School of Music houses two centers, the UNI Suzuki School and the UNI Community Music School, which serve approximately 1,000 community members annually. They offer music lessons and large group ensembles and are central to the School of Music's commitment to offer 'cradle to grave' music instruction and performance opportunities to the community. Opportunities also exist for music students to teach in these programs.

The UNI Community Music School offers innovative music education experiences for area youth and adults. They also provide mentored teaching opportunities and experiences for UNI School of Music students. Private lessons are available on a variety of woodwind, brass, keyboard, percussion instruments, and voice, as well as group piano lessons. Additionally, the UNI Children's Choir, formed in 1997, provides a choral experience for students in the Cedar Valley area in grades four through eight. The UNI New Horizons band, founded in 1999, offers an opportunity to those 50 years of age or older to take group lessons and play in band. The Community Music School also presents Camp Musicmania, an annual summer camp for Cedar Valley students in grade one through nine.

The UNI Suzuki School has been a musical home to families in the Cedar Valley and Northeast Iowa since 1976. The mission of the UNI Suzuki School is to enrich the lives of children and adults through the study of music. The UNI Suzuki School offers weekly lessons and group experiences with highly qualified music educators in violin, viola, cello and guitar. Performance opportunities, a music theory curriculum, chamber ensemble opportunities, youth and junior orchestras, adult chamber music ensemble and music related social activities enrich the Suzuki experience for participants. A variety

of resources, including rental instruments, is available for those interested.

For more information, visit cms.uni.edu and suzuki.uni.edu.

Department of Theatre

https://theatre.uni.edu/

Friends of TheatreUNI

UNI's oldest community support organization and one of the nation's first community support organizations for an academic theatre program, was founded in 1978 as a way for the local community to recognize and support the contributions made by the theatre and its programs. It has supported visiting artists, scholarships, and theatre trips to London, Minneapolis, and Chicago. Over the years, it has provided volunteers, works of art for the theatres, and generous hospitality to the theatre's patrons.

Academic Regulations

This section contains the following information:

- Assessing Student Learning at UNI (p. 44)
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Assessing Student Learning at UNI

UNI is committed to the assessment of student learning for the ongoing improvement of curriculum, programs, and services offered by the university and for accreditation processes. Students, faculty, staff, and administrators all play a role in student learning and all benefit from the creation of useful and meaningful assessment strategies and information.

Academic, administrative, and student affairs departments and units are expected to engage in direct assessment by reviewing authentic student work such as research papers, laboratory reports, student projects, student reflective activities, etc. These efforts are enriched by indirect assessment activities most often in the form of surveys, program evaluation forms, focus groups, or any of a variety of other mechanisms. Some assessment instruments are given to specific groups of students; others are given to students randomly selected from a group or groups of students. Assessments may be administered both inside and outside of the classroom.

Assessment-related data are kept confidential for individual students. Aggregate data is collected and shared within programs and is available in a password protected archive. Student outcomes assessment does not impact course grades or progress toward graduation.

Additional information about assessment policies and processes at UNI can be found on the Academic Assessment website assessment.uni.edu/. Questions about assessment at UNI can be directed to the Office of Undergraduate Studies, the academic colleges, and the Office of Institutional Research & Effectiveness (ie.uni.edu/).

Academic Program: Student Load

For **undergraduate** students, during the fall or spring term a student may register for up to and including the limits below without obtaining special permission:

- Academic Probation and Academic Alert Students: 15 hours
- All Other Undergraduate Students: 18 hours

During the summer sessions, the maximum undergraduate student load is one (1) credit hour per week of instruction (i.e., 4 credit hours for a four-week session or 6 credit hours for a six-week session).

Undergraduate students who wish to register for an overload must complete the online student request through Student Center in MyUNIverse for approval **prior to registration**.

For **graduate** students, the maximum course load in each fall or spring semester is 15 hours.

The maximum graduate student load during the eight-week summer session is 9 hours; for shorter summer sessions the maximum graduate

student load is one (1) credit hour per week of instruction (i.e., 4 credit hours for a four-week session or 6 credit hours for a six-week session).

Graduate students who wish to register for an overload must complete the online student request through Student Center in MyUNIverse for approval **prior to registration**. A 3.00 GPA or above at UNI will usually be required for consideration of an overload request.

Classification of Students

Earned Semester Hours:

- Freshman: less than 30 hours
- Sophomore: 30-59 hours
- Junior: 60-89 hours
- Senior: 90 hours and over

Full-time/Part-time Status

Fall and Spring Semesters

Undergraduate

- Full-time: 12 or more hours
- 3/4 time: 9-11 hours
- ½ time: 6-8 hours
- Less than ½ time: 1-5 hours

Graduate

- Full-time: 9 or more hours
- 3/4 time: 7-8 hours
- ½ time: 5-6 hours
- Less than ½ time: 1-4 hours

Summer Session

Undergraduate

- Full-time: 12 or more hours
- 3/4 time: 9-11 hours
- ½ time: 6-8 hours
- Less than ½ time: 1-5 hours

Graduate

- Full-time: 9 or more hours
- 3/4 time: 7-8 hours
- ½ time: 5-6 hours
- Less than ½ time: 1-4 hours

Change of Registration

Students may add classes, without approval, during the first five (5) instructional class days of a semester. After the fifth instructional day of the semester and before the end of the tenth day of the semester, the student must have departmental approval to add a class. For the summer sessions a proportionately equal amount of time is allowed at the beginning of a session for adding classes.

Approval to add a course after the tenth day of the term is rare and is at the discretion of those approving the request. To add a class for credit after the tenth day of a term, the student must have the approval of the instructor, the student's advisor, and the head of the department in which the course is offered. Courses dropped after the deadline for dropping with a *W (Withdrawn)*, which is 10 calendar days after the end of the first half of the fall and spring semesters and at the mid-point of half-semester and summer session courses, will be recorded as *F (Failed)* unless there are unusual circumstances and the student is doing passing work - in which case the instructor, the student's advisor, and the head of the department in which the courses are offered may approve a grade of *W*.

Pertinent dates governing the dropping and adding of courses, change to or from ungraded credit, and deadlines for making changes without charge are contained in the Schedule of Classes for that session.

Withdrawal - Tuition and Fee Refund

The information below applies to students who withdraw completely from school during a semester or summer session. **Dropping one or more classes does not constitute a withdrawal unless students drop all classes for which they are registered.**

If credit is earned during the period of enrollment, there is no tuition and fee refund. For any two- or three-week session, there is no tuition and fee refund. Room and board refunds are made according to agreement set out in the Contract for Room and Board.

Academic fees for a student enrolled for a regular semester or summer session who withdraws from the university will be reduced by the percentage stated in the table below, beginning with the date of formal withdrawal with the Office of the Registrar. The reduction will vary from 90 to 25 percent. For summer sessions, reduction percentages are on a day-count basis. (Please see the Schedule of Classes for information pertaining to a particular semester or summer session.)

Fall/Spring Semester

Percentage of refund	Withdrawal during specified weeks
100	before classes begin
90	first week
75	second week
50	third week
25	fourth week
0	after fourth week

Summer Session*

8-week or longer session

Percentage of refund	Withdrawal on day number
100	before classes begin
90	1-3
75	4-5
50	6-8
25	9-10
0	11th day and beyond

6-week sessions

Percentage of refund	Withdrawal on day number
100	before classes begin
90	1-2
75	3-4
50	5-6
25	7-8
0	9th day and beyond

4-week sessions

Percentage of refund	Withdrawal on day number
100	before classes begin
90	1-2
75	3
50	4
25	5
0	6th day and beyond

* No refund for two- or three-week sessions.

Withdrawal Procedure

A student who has started attending classes, and who finds it necessary to withdraw completely from school, initiates the withdrawal through the Office of the Registrar. Those students who live in residence halls must also cancel the housing contract through the hall coordinator of the residence hall in which they live. Those students receiving financial aid must contact the Office of Financial Aid and Scholarships. Students who wish to drop one or more courses and yet remain enrolled should consult the section Change of Registration.

A student who has registered but decides not to come to the University of Northern Iowa should indicate the withdrawal through the Office of the Registrar as early as possible. **Withdrawal after classes begin will cause a tuition charge.**

Student Identification Card

Each new student receives an identification card which is used throughout attendance at the university. A fee of $30.00 is charged to replace this card.

Policy on Class Attendance and Make-up Work (3.06)

https://policies.uni.edu/306

Purpose:

It is the expressed focus of the University of Northern Iowa to further the educational development of each of its students. On occasion, events will necessitate a student's absence from class. This policy delineates the responsibilities of faculty members and students relating to class attendance and make-up work.

Definition:

The term "faculty member(s)" when used in this policy includes all regular, full-time faculty and all part-time course instructors, regardless of any other University employee classification which applies to the individual who teaches on a part-time basis.

Policy

A. General Provisions

1. Faculty members who choose to have policies related to attendance and make-up work must distribute those policies by the end of the first week of instruction.
2. Students must adhere to each faculty member's policies regarding attendance and make-up work.
3. Faculty members who require attendance at activities or events that may conflict with a student's otherwise regularly scheduled classes are expected to be reasonable in setting these requirements. If a faculty member will require student attendance at an activity or event outside of the regularly scheduled class period, the affected students must be provided with written notice at least 10 university class days in advance of the event during the fall or spring semester and by the third day of the course for any summer term class. The faculty member must provide each student with a notice that can be given to the faculty member who instructs another course affected by the required attendance of the student. It is then the student's obligation to notify the other faculty member. In the case of extracurricular activities, a semester-long schedule should be prepared and distributed to the participating students at the beginning of the semester. It is the student's obligation to provide the schedule to their other faculty members. A student may not be penalized for missing a course activity which is outside of their regularly scheduled class time and conflicts with their other scheduled courses. If a faculty member has course activities which require attendance outside of scheduled class time, that faculty member must either provide the student an opportunity to make up the missed activity or event, or have in place a make-up policy that does not unjustly penalize a student for the missed activity or event.

B. Absences

Occasionally, students will have reasonable cause to miss class. In order for both faculty members and students to plan effectively for these absences, the following procedures have been developed. Faculty members are encouraged to take into account the reason for an absence and make appropriate accommodations. Students are still responsible for demonstrating achievement of course learning goals, even when absences are necessary or reasonable. In situations with many absences, it may be most appropriate for the student to withdraw and retake the course in a future semester.

1. In the case of mandatory excused absences, students must be allowed to make up missed work, complete an equivalent assignment, or the professor and the student may mutually agree to waive the assignment without penalty. Faculty members have the discretion to determine what constitutes an appropriate make up work assignment. Some course requirements may not require a make-up, such as in cases where the class work has a very minimal point value or where the course requirement of minimal point value is a part of a series of dropped assignments.

a. The following absences must be excused:

- Required university related absences, including but not limited to athletic games/matches/meets or their equivalents,

- Absences due to military duty or veteran status, including service-related medical appointments where failure to appear might result in a loss of benefits.
- Absences because of pregnancy or childbirth for as long as the student's doctor deems the absences medically necessary. When a student returns to school, the student must be allowed to return to the same academic and extracurricular status as before the medical leave began (see Title IX and related information).
- Legally mandated absences such as jury duty or court subpoena.
- Absences on a day the provost has declared a severe weather day per policy 4.07.
- Religious observances.

b. Students participating in or involved with an excused absence listed in B.1.a. above must inform each faculty member of their known and anticipated absences as far in advance as possible. Such information or notice is not required in situations involving a severe weather day per policy 4.07. Failure to inform faculty beforehand, when it is clearly possible to do so, may be treated as an unexcused absence.

c. Faculty are not required to offer make-up work for extra credit tasks or assignments.

2. Except as outlined in B1, faculty members have the discretion to determine the reasonableness of absences due to extenuating circumstances, either predetermined or unexpected. Such absences include but are not limited to: non-university sanctioned educationally appropriate events and activities (e.g. attendance at a professional conference, lecture on campus); illness; significant personal emergency; bereavement; etc.

a. When an absence is deemed "reasonable", the faculty member provides the student an opportunity to make up missed work, or has in place a make-up policy that does not unjustly penalize a student for the absence.

b. Remedies for missed work due to a "reasonable" absence include but are not limited to replacement assignments; policies which may allow students to drop a certain number of assignments or exams; policies which might average a score for a missed exam or account for it in other ways, etc.

c. In each of these remedies, a "reasonable" standard should apply. In determining whether a remedy is reasonable, consideration should be given to the published syllabus.

C. Make-up Work Grievances Arising from Absences

Should a faculty member refuse to allow a student to make up missed work, the faculty member's decision can be appealed by the student using the grievance process outlined in Section 7 of 12.01 Student Academic Grievance Policy.

Faculty Senate, approved February 2021
University Council, approved April 4, 2022
President and President's Cabinet, approved August 2022

Course Credit Expectation

UNI adheres to the federal definition of the credit hour in all courses, regardless of instruction mode, meeting pattern, or course format. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that reasonably approximates not less than:

- One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester; or,
- The equivalent amount of work in item (1) over a different amount of time; or,
- At least an equivalent amount of work in item (1) for other activities, including laboratory work, internships, practica, studio work, and other academic work leading toward to the award of credit hours/units of credit.

In addition, distance/online courses and independent studies are expected to reflect equivalencies in the amount of instructional time and student work leading to equivalent learning outcomes as reflected in the same courses offered face-to-face.

Final Examination Information

The final examination schedule applies both to faculty and students. Unless previous arrangements have been made, it is expected that the official schedule in the semester Schedule of Classes will be followed.

A comprehensive final examination, if required, must be administered at the time indicated on the final schedule. No final comprehensive examination shall be administered to a class within the last two weeks prior to the officially scheduled final examination period (excluding summer sessions or half-semester courses). In the week prior to the beginning of the final examination period, unit tests, papers, projects, and other assignments are permissible if announced in the course outline/assignment sheet/syllabus or prior to midterm.

For those classes which do not, in the instructor's judgment, require a final comprehensive examination the time of the officially-scheduled final examination will be used for other appropriate class activities, such as evaluation, reports, performance, or regular class work. Therefore, the class will meet at the time of the officially scheduled final examination, whether or not a final examination is administered.

The department heads must see that the final examination schedule and the policies are followed. Students may report policy violations to the appropriate department head, in accordance with the university academic grievance procedures.

Policies Regarding Course Grades of Incomplete

To receive credit for course work a student must be in attendance for the full semester. Exceptions to this rule are rarely made.

Work lost by late enrollment or by change of registration may be made up for credit by an undergraduate student with the consent of the Office of Academic Affairs. Graduate students must have the consent of the Dean of the Graduate College.

Work lost because of absence due to illness, or other extenuating circumstances, may be made up, but arrangements for making up work missed are made between the student and the instructor.

Work left incomplete at the end of a semester or summer session will be reported as *F (Failure)* unless a report of *I (Incomplete)* has been authorized by the instructor. The *Incomplete* is restricted to students

doing satisfactory work in the class who, because of extenuating circumstances, are unable to complete the work of the course. The *Incomplete* is limited to assigned work during the final sixth of the term. If a course is reported as *Incomplete*, a student is not prevented from registering for another course for which the incomplete course is a prerequisite.

Undergraduate

Work reported as *Incomplete* for **undergraduate** students in the fall semester must be completed by July 1st the next calendar year. Work reported *Incomplete* in the spring semester must be completed by December 1st. Work reported as *Incomplete* in the summer session must be completed by February 1st the next calendar year. The exact length of time to remove the *Incomplete* within the above guidelines, is set by agreement between the instructor and the student. If the work reported as *Incomplete* is not made up by the deadline noted above, it is automatically entered as an *F (Failure)* on the student's record. However, if for sufficient cause an *Incomplete* cannot be removed in the time allowed, a request for an extension of time may be made to the instructor of the course. The extension, if approved, is for a period of up to another six months as designated by the instructor.

Graduate

Work reported as *I (Incomplete)* in the fall session for graduate students must be completed by June 1st the next calendar year. Work reported *Incomplete* in the spring and summer sessions must be completed by January 1st the next calendar year. The exact length of time to remove the *Incomplete* within the above timelines, is set by agreement between the instructor and the student. If the work reported as *Incomplete* is not made up by the deadline noted above, it is automatically entered as an *F (Failure)* on the student's record.

Any requests for an exception to the above timelines for graduate students must be submitted on-line through MyUNIverse (refer to Filing Graduate Student Requests). Only under the most unusual circumstances would requests for additional time be approved.

Some courses continue beyond the normal ending date of the semester or session. In such cases, the initial grade reported will be an *RC* which means *Research* or *Course Continued*. Once the extended instructional period is finished, the *RC* grade will be replaced with the A-F grade assigned by the instructor.

Regression

Regression occurs when a student enrolls in a course which has content fundamental to another course the student has previously completed successfully. When such regression occurs, the regressive course will be available on an ungraded (credit/no credit) basis only. Credit may be earned but the hours earned will increase the student's minimum degree hour requirement by an equal amount.

The decision as to whether a course is regressive is made by the department offering the courses. Regression does not occur when the more advanced course was failed. (Courses to which this policy applies will be identified in the Schedule of Classes.)

Duplication

When two courses have content highly similar, e.g., one for the UNIFI/General Education and one for major/minor requirements, the department offering the course(s) will determine if degree credit can be earned in both courses. If the department will not allow degree credit in both courses, the credit in the course taken second will increase the student's minimum degree hour requirement by an equal amount. Such second courses may be completed only on an ungraded (credit/no credit) basis.

Marks and Grade Points

The marks A, B, C, D, F (Failed), and I (Incomplete) are used in indicating quality of work. Courses dropped during the first one-eighth of the semester or summer session are not recorded on the student's record. Courses dropped during the second- through fourth-eighth of the term are indicated on the student's record by W (Withdrawn). For courses dropped during the final one-half of the term (the specific date of the last day to drop a course without an F is listed in the Schedule of Classes for each semester), F (Failure) shall be reported unless for unusual circumstances specific permission is given to report otherwise.

The time for dropping classes in the summer session is proportionately shorter than in the regular semester. Date deadlines for dropping or adding courses are given in the Schedule of Classes for each semester and the summer session.

Grade points are awarded as follows.

For each hour of credit marked:

- A, 4.00 grade points
- A-, 3.67 grade points
- B+, 3.33 grade points
- B, 3.00 grade points
- B-, 2.67 grade points
- C+, 2.33 grade points
- C, 2.00 grade points
- C-, l.67 grade points
- D+, l.33 grade points
- D, l.00 grade point
- D-, 0.67 grade points
- F, 0.00 grade points

Grade Index

In determining a student's cumulative grade index, all course work attempted at this university shall be the basis of computation with these exceptions for students enrolled as graduates or undergraduates. If a student repeats successfully a course they have failed, only the grade received for the successful completion will be included in figuring the cumulative grade point. If a student repeats a course they have successfully completed, the grade received the last time the student takes the course will be used in figuring the grade index even though the last grade may be lower than the grade received previously. **The student's transcript of record will show every time the course is taken and the grade earned.** Post-baccalaureate students as undergraduates enrolled for work to meet requirements for certification as elementary or secondary teachers are given the same grade index advantage as given undergraduate students for courses repeated. This applies only to those courses required for certification.

Failed Courses

A course taken at UNI in an on-campus setting, online, or through Guided Independent Study, which was failed, may be repeated in any of those settings. A UNI course which was failed may be repeated at another accredited college or university as long as the course has been determined and approved to be an equivalent to the original course.

Undergraduate Academic Standing Policy

Undergraduate students at the University of Northern Iowa are expected to meet academic standards set by the university and to demonstrate satisfactory academic progress towards earning a degree. Academic Alert and Academic Probation serve to warn students that unless their academic performance improves, they may be placed on Academic Suspension. No student in their first-semester in attendance at the University of Northern Iowa will be placed on Academic Suspension.

First-semester students (freshmen and transfer students) at the University of Northern Iowa placed on Academic Alert or Academic Probation may be subject to conditions designed to increase academic success. A student who does not agree to these conditions may have their course schedule canceled for the semester.

All continuing students (students who are in their second semester or beyond at UNI) who are placed on Academic Probation should also seek assistance for academic improvement from academic advisors, the Academic Learning Center, or the Counseling Center.

Academic Alert

Any **first**-semester student who has a 1.00 – 1.99 UNI Term GPA will be placed on Academic Alert. Only first-semester students new to the university can be placed on Academic Alert. While on Academic Alert, the student will be limited to 15 credit hours. Academic Alert is not recorded on the student's official academic transcript.

At the end of a student's semester on Academic Alert, one of the following actions will be taken:

- The student will be removed from Academic Alert and shall be in Good academic standing if their UNI cumulative GPA is a 2.00 or higher.
- The student will be placed on Academic Probation if their UNI cumulative GPA is less than a 2.00.

Academic Probation

Any **first**-semester student who has a UNI Term GPA below 1.00 will be placed on Academic Probation. Also, any **continuing student** will be placed on Academic Probation when their UNI cumulative GPA is below a 2.00. A student placed on Academic Probation must earn a minimum UNI Term GPA of 2.00 for each semester while on Academic Probation until their UNI cumulative GPA reaches 2.00 or higher.

While on Academic Probation, a student will be limited to 15 credit hours. Once a student's UNI cumulative GPA reaches 2.00 or higher, they will be removed from Academic Probation. Academic Probation is not recorded on the student's official academic transcript.

At the end of a student's semester on Academic Probation, one of the following actions will be taken:

- The student will be removed from Academic Probation and shall be in Good academic standing if their UNI cumulative GPA is a 2.00 or higher AND their UNI Term GPA is a 2.00 or higher.
- The student will continue on Academic Probation if their UNI Term GPA is a 2.00 or higher and their UNI cumulative GPA remains below a 2.00.
- The student will be placed on Academic Suspension if their UNI Term GPA is less than a 2.00.

Academic Suspension

A student on Academic Probation who fails to earn a UNI Term GPA of 2.00 will be placed on Academic Suspension. Academic Suspension is for a minimum period of one academic semester and is permanently noted on the student's official academic transcript. Once suspended, a student will not be allowed to re-enroll at the University of Northern Iowa until they have been academically reinstated.

Readmission after Suspension

Academic Suspension is for a minimum period of one regular academic semester. Only with strong justification, demonstrated potential for future success, and an agreement to enter the Early Admission Program (ERP) would a student be readmitted prior to sitting out for a semester. Entry into the ERP does not remove the suspension from a student's record.

An undergraduate student placed on Academic Suspension may be readmitted only after completing an application for readmission and receiving formal reinstatement from the Committee on Admission, Readmission, and Retention. The application for readmission can be completed and submitted online.

To request early readmission prior to sitting out one semester, complete the Application for Early Readmission from Academic Suspension. Readmission prior to sitting out a semester is contingent on the Committee's recommendation, and the student's acceptance of entry into the ERP. As a condition of reinstatement, a student will be subject to stipulations designed to increase academic success. A student who does not agree to these conditions will be denied early readmission or have their course schedule canceled for the semester.

To request readmission after sitting out a semester, complete the Application for Readmission from Academic Suspension.

A student who is readmitted after a first suspension, either through admission to the Early Readmission Program (ERP) or after sitting out for one semester, will be placed on Academic Probation following Suspension. A student readmitted after suspension must earn a UNI Term GPA of 2.00 for each semester until their UNI cumulative GPA reaches 2.00 or higher. While on Academic Probation following Suspension, the student will be limited to 15 credit hours for a semester. Failure to earn a UNI Term GPA of 2.00 or higher will result in a second suspension.

A second Academic Suspension will be for two regular semesters (summer sessions excluded). Students suspended for a second time may apply for early readmission through the Committee on Admission, Readmission, and Retention by completing the

Application for Early Readmission from Academic Suspension, only after having sat out for a minimum of one regular semester.

If a student sits out for two regular semesters, then the student will complete the Application for Readmission from Academic Suspension. A third Academic Suspension is considered permanent. Only the most extenuating circumstances would warrant consideration for readmission from Academic Suspension a third time.

At the end of a student's semester on Academic Probation following Suspension, including semesters in the Early Readmission Program, one of the following actions will be taken:

- The student will be removed from Academic Probation following Suspension and shall be in Good academic standing if their UNI cumulative GPA is a 2.00 or higher.
- The student will continue on Academic Probation following Suspension if their UNI Term GPA is a 2.00 or higher and their UNI cumulative GPA remains below a 2.00.
- Following a first suspension, the student will be academically suspended for the second time if their UNI Term GPA is less than a 2.00.
- Following a second suspension, the student will be permanently academically suspended if their UNI Term GPA is less than a 2.00.

Undergraduate students wishing to discuss the Undergraduate Academic Standing Policy at UNI, or seeking information regarding readmission after Academic Suspension, may make an appointment with Nicole Lehman, Office of the Registrar, Gilchrist 115 or call 319-273-2296.

Graduate Probation and Suspension

Refer to Graduate Degree Requirements in this University Catalog.

Dean's List

To be eligible for the Dean's Honor List, which is published each fall and spring semester, a student must have earned a grade point average of no less than 3.50 while earning a minimum of 12 semester hours in which at least 1 semester hour is **graded** credit. Students who earn a minimum of 12 semester hours in field experience, practicum, internship or cooperative education courses that are offered only as nongraded credit are eligible for the Dean's Honor List. A Dean's Honor List is not compiled for the summer session, nor does the list include graduate students.

Graduation with Honors

Three levels of honors are awarded to students graduating with a bachelor's degree. To receive an honors designation, the student must earn at least 55 credit hours from this university (effective Spring 2008).

The names of the students receiving honors are identified in the commencement program and on their academic transcript.

Summa Cum Laude

Students whose cumulative UNI grade point average places them in the top 3% of those students graduating from their academic major college/division will be awarded *Summa Cum Laude*.

Magna Cum Laude

Students whose cumulative UNI grade point average places them in the top 4% through top 8% of those students graduating from their academic major college/division will be awarded *Magna Cum Laude*.

Cum Laude

Students whose cumulative UNI grade point average places them in the top 9% through top 15% of those students graduating from their academic major college/division will be awarded *Cum Laude*.

University Honors Program

https://honors.uni.edu/

The University of Northern Iowa Honors Program is designed to meet the needs of motivated, high-achieving students. Challenging classroom experiences, interaction with faculty, and social connections with other capable students are just a few of the benefits of honors involvement.

Eligible first-year students are invited to participate upon receiving admission to UNI. Entrance requirements include:

- 3.70+ GPA AND 27+ ACT composite (SAT 1280+)
  OR
- 3.90+ GPA if admitted by test-optional review

Students who do not meet the criteria for an automatic invitation can request that their case be reviewed on an individual basis. Current UNI or transfer students may apply for admission to the program with a GPA of 3.30 or better and a professor's recommendation. See https://hsp.uni.edu/university-honors-program/program-requirements for more information.

To remain in the program, students must maintain a minimum cumulative grade point of 3.30. Students who do not meet the minimum cumulative grade point requirement of 3.30 are placed on probation. The non-cumulative grade point average of the following semester should be above 3.30 to provide evidence of overall improvement. Such evidence of improvement, and continued improvement resulting in a cumulative grade point above 3.30, will remove the student from probationary status. If a student is on probation and no improvement is shown, the student will be dismissed from the program. If a student wishes to re-enter the program at a later date, reapplication is necessary.

The University Honors Program offers two designations for participation: *University Honors with Distinction and University Honors*. To graduate from the University Honors Program with *University Honors with Distinction*, a student must produce an honors thesis or project and take a total of **30 hours of honors credit**. To graduate from the University Honors Program with *University Honors*, a student must produce an honors thesis or project and take a total of **18 hours of honors credit**. See https://hsp.uni.edu/university-honors-program/program-requirements for a complete description of program requirements and a standard distribution of hours.

For more information, contact the University Honors & Scholars Program, 3025 Bartlett Hall, 319-273-3175.

Credit/No Credit Grading

An undergraduate student having earned twelve semester hours of credit at this university may take courses offered by this institution for which the student is otherwise eligible for degree credit without grade under the following conditions:

1. The course work requirements for a student taking work on an ungraded basis shall be the same as for a student taking the work on a graded basis.
2. A grade of C- or higher is required in a course to receive credit on the credit/no credit option.
3. Not more than 22 hours of ungraded course work in addition to courses authorized to be offered only for ungraded credit may be taken toward any bachelor's degree.
4. Ungraded credit may not be applied to work required for a major, minor, or certificate except with the consent of the head of the department in which the course is offered.
5. No course taken in the credit/no credit option may be applied toward meeting a UNIFI/General Education requirement.
6. Except for Level 1 Field Experience: Exploring Teaching (TEACHING 2017), Level 2 Field Experience: Teacher as a Change Agent (TEACHING 3128), and for Student Teaching (TEACHING 3132 through TEACHING 3140), ungraded credit may not be used to meet the Professional Education Requirements for the teaching program.
7. Course work passed without grade (CR=credit) may not be retaken except by special permission of the dean of the college in which the course is offered.
8. A graded course completed may not be retaken on an ungraded basis.
9. The credit/no credit system may not be used with Credit by Examination, Extension, or Guided Independent Study courses.
10. Change of registration in a course to or from a non-graded basis may not be made after five class days beyond midterm in a full, academic-year semester, or after the mid-point in the duration of a course taught in a period less than a full, academic-year semester. Only one such change of registration may be made per course. A graduate student may include up to three credit hours of non-graded graduate course work in the program of study with the approval of the department.
11. The credit/no credit grading system may not be used in Presidential Scholars Seminars or for the Presidential Scholars Thesis/Project credit.

Note: No upper level (3000-level and above) accounting courses may be taken on a credit/no credit or audited basis without written consent of the department head or director of the MAcc, except ACCT 3090, ACCT 3092/5092, ACCT 3179, and ACCT 6090.

Open Credit System

This type of undergraduate credit is designed for special projects such as a paper, experiment, work of art, or portfolio assessment of prior learning. The experience upon which the project is based may have been completed at any previous time; however, the student must be registered for credit at this university during the semester open credit is requested, and open credit will be recorded only after the student has satisfactorily completed 12 hours of credit at this institution.

A project may be submitted any time during the semester up to the last date to add a second half-semester course for credit. There is no guarantee of credit prior to or upon submittal of the project. The project is submitted to an ad hoc faculty committee of three faculty members recommended by the student and approved by the head of the academic department or discipline in which the project falls; two faculty members are chosen from the academic area or discipline of the project and one from any area. The student may not submit a project evaluated by one committee to a second committee for reevaluation. The student may resubmit a project to the original committee at the committee's discretion or with its encouragement.

The number of open credit hours assigned to a project will reflect the academic evaluation of the project; credit will be awarded for work judged to be of at least C-level quality. No letter grades are given. The range of credit is from 0-6 hours per project. A student may apply a maximum of 18 hours of open credit toward graduation requirements. Open credit is normally elective but, upon the recommendation of the ad hoc committee, it may be approved for requirements in the UNIFI/General Education with the approval of the Office of Academic Affairs or for major credit with departmental approval.

Students should contact the appropriate departmental office for advice in submitting projects. Application forms may be secured from the Office of the Registrar.

Internships/Cooperative Education

Internships and cooperative education experiences (co-op) help students integrate academic study with work experience. Students may intern with business, industry, or governmental/non-profit organizations in locations ranging from local to international. Registration of internships is optional, with the exception of a few majors, which require an internship for graduation.

Students who participate in an internship may be eligible for academic credit or a transcript notation. Academic departments establish the requirements for academic credit and Career Services establishes the requirements for a transcript notation. Factors such as GPA, prerequisite courses, year in school, and the intern’s responsibilities determine student eligibility.

Career Services encourages students to meet with staff as early as their freshmen year to begin talking about internship opportunities. More information about internships can be found on the Career Services website: https://careerservices.uni.edu/.

Credit by Examination

Credit by examination is **for undergraduate students only**. Credit may not be established by examination for a course: 1) taken previously through regular course instruction (in-person or online); 2) for which the student does not meet the prerequisite; or 3) which is a prerequisite to one for which credit has already been earned.

The academic department establishes the requirements for the grading and administration of the examination. Course credit is earned only if a grade of A or B is received on the examination. A grade of C on the examination will release the student from the course requirement, but no credit is earned. A grade below a C on the examination gives neither credit nor release of the requirement and is not recorded on the

student's record. The grade results are not included on the student's record nor counted in a student's grade index (GPA). Credit by examination may be repeated if the student received a grade below a C on the previous attempt and is still eligible to establish credit by examination.

A student should discuss satisfying a course requirement with their academic advisor and then with the department head (from the department offering the exam) before applying for credit by examination. The Application to Establish Credit by Examination can be obtained from the Office of the Registrar (Gilchrist 115 or registrar.uni.edu) and requires approval from the department head and the dean of the college in which the course is offered. A Credit by Examination fee will be assessed with the examination.

Note: *For limitations in the total credits earned by examination, refer to Undergraduate Information and Degree Requirements in the University Catalog.*

Independent Study

Undergraduate students of outstanding ability and achievement may be permitted to earn credit by departmental independent study.

This method of study follows the pattern of an investigation undertaken by a graduate student, although in reduced form. It involves independent thinking, the drawing of conclusions, the summarizing of evidence, or creative work. Whenever possible, the result of the investigation is summarized in a scholarly paper or report, prepared and documented in an approved fashion. This report is filed in the department office.

Independent study should not involve work available through regular university courses; neither should it be confused with individual instruction, or the tutorial method. Individual instruction is provided on rare occasions for instruction in a university course not currently being offered.

Application for independent study, including an outline of the proposed project, should be made to the head of the department in which the study is to be done and must have this approval before the project is undertaken. The student's program of independent study will be under the immediate supervision of one or more faculty members. Except for the major in Individual Studies, not more than six hours of credit earned by independent study may be used to meet the requirements of a major.

Independent study may also be taken under the *Individual Studies* program. Refer to Individual Studies major in this University Catalog for details.

Auditing (Visiting) Classes

A student may register for a class(es) on an audit/non-credit basis at the University of Northern Iowa if space is available in the course. A student auditing (visiting) a course is not required to take examinations, take part in class discussions, or complete other work. **There is no reduction of tuition and fees for auditing (visiting) a course.** Audited courses will not be recorded on the permanent record for the student except by a student request approved by the instructor and indicating the student regularly attended the course.

If the term load limit for the student will be exceeded with the addition of a course being audited (visiting), a student requests must be completed for approval prior to registration.

Specific information on auditing (visiting) classes may be obtained from the Office of the Registrar.

Writing in the General Education/ UNIFI and the Disciplines

At UNI, students are expected to write in the general education program, UNI Foundational Inquiry (UNIFI), as well as in each undergraduate major. Writing experience in both UNIFI and the undergraduate majors fosters learning, develops thinking, and introduces students to understanding writing as a process integral to critical inquiry in academic, professional, and personal contexts. Students may satisfy UNIFI the writing requirement by academic credit earned in one of the following ways (or an equivalent):

ENGLISH 1005	College Writing and Research	3
ENGLISH 2015	Introduction to Writing Studies	3
ENGLISH 2120	Critical Writing About Literature	3
PHIL 1050	The Art of Critical Thinking and Writing	3
UNIV 1000 & UNIV 1010	First-Year Cornerstone: Integrated Communication I and First-Year Cornerstone: Integrated Communication II *	6
*(a two-semester sequence that satisfies both the Written and Oral Communication UNIFI learning areas)		

Comparable writing instruction and practice may be available for qualified students in writing-enhanced sections of other UNIFI courses.

UNI is committed to helping students become competent writers for different purposes in various *settings*. Each department sets the writing requirements for its majors; because writing needs vary across disciplines, the requirements and conventions for writing differ across departments.

For students who do not meet the English admissions requirement, and for other students with limited writing experience, ENGLISH 1002 College Writing Basics provides instruction and practice designed to prepare students for success in courses that satisfy the UNIFI Writing requirement.

College Level Examination Program (CLEP)

The University of Northern Iowa (UNI) is a participating university in the College-Level Examination Program (CLEP). Developed by the College Board, CLEP examinations measure knowledge of the material usually covered in courses taken in the first two years of college. CLEP exam-takers include home-schooled students, high school graduates, adults just entering or returning to school, military service members, and traditional college students. CLEP examinations are administered in over 1,800 testing centers in the United States and abroad. Students may test at the testing center of their choice and request to have their scores sent to their college/university. CLEP is

the most widely accepted credit-by-examination program, with over 2,900 colleges and universities accepting CLEP credit.

At UNI, the CLEP exam is regularly administered in Exam Services. Students should take CLEP exams prior to enrollment at UNI or early in their college career to avoid taking a course that will duplicate or disqualify them from receiving CLEP credit. Before completing the online registration to take the CLEP examination, it is highly recommended that students meet with an academic advisor knowledgeable about the CLEP program. Since all CLEP exams require college-level knowledge and critical thinking, to do well, students are strongly encouraged to prepare for their CLEP examination.

CLEP offers 33 subject exams, but not all CLEP exams are accepted for credit at UNI. A list of courses for which CLEP examinations may be taken along with the minimum scores to earn credit is available from Exam Services or the UNI Office of Admissions.

At UNI, each CLEP examination may be attempted only once for credit. Credit earned from a CLEP exam approved by UNI is applied to degree requirements. A maximum of 32 semester hours of credit by examination may apply toward degree requirements. This includes credit earned by CLEP, Advanced Placement, UNI departmental examination, and examinations from other colleges and universities.

The Iowa Regents' Universities/Community College Credit by Examination Agreement sets the standards for awarding and transferring credit by examination between institutions. Students who have established CLEP credit at a college or university prior to enrollment at UNI may submit official reports of their scores for consideration when applying to UNI.

A student may not earn credit by examination in an area in which the student previously has attempted or completed an equivalent course, a course of similar level, or one that is more advanced in content level. A course in which a student was enrolled until a *W* (withdrawal) was submitted in place of a grade is considered to be an attempted course.

Students who are interested in earning CLEP credit, but need more information are welcome to contact:

UNI Exam Services
007 Innovative Teaching and Technology Center
319-273-EXAM (3926) or email examservices@uni.edu

Advanced Placement Program

The University of Northern Iowa participates in the Advanced Placement Program of the College Board. Through enrollment in special courses in a participating high school, a qualified high school student may take Advanced Placement examinations in one or more academic subjects at the college level. UNI grants college credits in AP capstone diploma program, art, biology, chemistry, computer science, economics, English, environmental science, history, human geography, languages (Chinese, French, German, Japanese, Latin, Spanish), mathematics, music, physics, political science, psychology, and statistics to students who pass examinations with scores of 3, 4, or 5 (minimum score of 4 for biology, chemistry, and computer science). *(For limitations in the total amount of credit earned by examination, refer to additional information provided within this University Catalog.)*

For additional information about the transfer of Advanced Placement credit to UNI, contact the Office of Admissions.

admissions.uni.edu/freshmen/ap-credit

International Baccalaureate

The University of Northern Iowa provides advanced standing credit for students who complete and pass International Baccalaureate (IB) examinations. Students must earn a score of 4 or above to receive advanced credit for Higher Level (HL) subjects and 5 or above for Standard Level (SL) subjects.

Up-to-date information on how course and credit are provided to students can be found at:

https://admissions.uni.edu/admitted-students/college-credit

For information about the transfer of IB credits, contact the Office of Admissions.

Post-Baccalaureate, Undergraduate Study

A student who has received a bachelor's degree may apply for further study at the University of Northern Iowa as an undergraduate rather than a graduate student. Inquiries should be made to the Office of Admissions. Undergraduate status will be accorded students who seek:

1. a second baccalaureate degree (designation as senior) or
2. teacher licensure (designation as senior) - a student who does not hold a teaching license and expects to be recommended by this university for an initial teaching license or student adding new endorsement(s) through UNI recommendation must also file an official transcript; this program requires the completion of a minimum of 12 credit hours at UNI before recommendation to the Board of Educational Examiners; or
3. courses for undergraduate credit (designation as unclassified)

Students with baccalaureate degrees do not earn graduate credit while in Post-baccalaureate Undergraduate status only. They must be admitted either to graduate Degree or Non-Degree Status before they can enroll in graduate courses (courses numbered 5000 or above). A student working toward a second bachelor's degree or teacher licensure and is admitted as a graduate student will pay graduate tuition for the entire enrollment if any of the enrollment is for graduate credit. No course can apply to both a bachelor's degree and a graduate degree (except for combined degree programs - see Graduate section of this catalog). See "Students enrolled for both graduate and undergraduate credit in the same term" in this university catalog for further information.

Retroactive granting of graduate credit for course work taken while in post-baccalaureate, undergraduate status will not be done if, when the course work was taken, the student received financial aid dependent on undergraduate status. If an undergraduate course can be taken at the 5000-level for graduate credit, extra work is required from graduate students to earn the graduate credit. This extra work cannot be completed after the course ends to change the course to graduate credit.

Students Enrolled for Both Graduate and Undergraduate Credit in the Same Term (Dual Career Students)

A student may take both graduate and undergraduate credit courses in the same term in one of the circumstances below. **A student must be degree-seeking in, and enrolled at least half-time in, their primary career in order to be eligible for federal financial aid. See the appropriate circumstance below for an explanation of which career is primary and for tuition billing information.**

Graduate Credit as a Senior

An undergraduate student of senior standing (90 or more credits earned) at the time of registration, earning the first bachelor's degree, and with a cumulative GPA of at least 3.00, may register for a maximum of 12 total credit hours for graduate credit. Undergraduate Students may take graduate level courses only at the 5000 or 6000 level. Such registration requires approval on an online undergraduate student request (available via MyUNIverse Student Request Link) by the student's advisor, the instructor of the course, the head of the department offering the course, and the Graduate College. The combined total of course credits, both undergraduate and graduate, may not exceed 15 hours in a semester or 8 hours in a summer session. Overload requests must be approved by the student's advisor and the Graduate College. Any waiver of these requirements must be approved by the Graduate College prior to enrollment.

No course may count toward both an undergraduate and a graduate degree (except for combined degree programs - see Graduate section of this catalog). Graduate credit earned as an undergraduate will not be counted toward the undergraduate degree and may or may not be counted toward UNI graduate degree programs at the discretion of the graduate program (except for combined degree programs - see Graduate section of this catalog). Some graduate programs have early admission procedures which the student must follow in order for the graduate credit to apply to the graduate degree. The earliest graduate course that applies to a student's graduate program marks the beginning of the recency period for the completion of the degree.

Students earning graduate credit as a senior are classified as seniors but will pay graduate tuition for the semester hours for which they will receive graduate credit (except for combined degree programs - see Graduate section of this catalog). The maximum tuition will be the full-time graduate rate for the student's residence classification. The undergraduate career is the student's primary career for financial aid purposes. The student must be enrolled at least half-time in undergraduate courses to be eligible for federal financial aid, which will be at the undergraduate level.

Graduate Student Taking an Undergraduate Course

Graduate students wishing to take an undergraduate course for any reason (personal interest, to satisfy provisions of admission, professional development or certification, etc.) must submit an online graduate student request "Request registration in an undergraduate course" through MyUNIverse. Once the request is approved, and assuming the requested course is open, the Registrar's Office will enroll the student in the course. Undergraduate courses taken by graduate students in Fall 2011 and later will appear only on an undergraduate transcript and will not be included in the graduate GPA.

Graduate students taking undergraduate courses will pay graduate tuition for their entire enrollment if they are taking any courses for graduate credit in that term. The maximum tuition will be the full-time graduate rate for the student's residence classification. If the only enrollment is undergraduate courses, undergraduate tuition will be charged. However, the graduate career is the student's primary career for financial aid, regardless of enrollment. The student must be enrolled at least half-time in graduate courses to be eligible to receive federal financial aid, which will be at the graduate level.

Graduate Student Concurrent with Second Bachelor's Degree or Teacher Licensure

A student who has received a bachelor's degree may be simultaneously active in both an undergraduate career, to work toward a second bachelor's degree or teacher licensure, and a graduate career, either degree-seeking or non-degree. The student who wishes to do this must submit two applications for admission—one for post-baccalaureate undergraduate admission (see Post-baccalaureate, Undergraduate Study in this university catalog) and one for admission to graduate study (see Admission to Graduate Study in this university catalog). For students pursuing teacher licensure, after submitting an undergraduate post-baccalaureate application and becoming term-activated, all student requests pertaining to licensure must be submitted at the undergraduate level. No course can apply to both a bachelor's degree and a graduate degree. Students who are admitted in this way will have both an undergraduate and a graduate transcript.

A graduate student (degree or non-degree) who is concurrently working toward a second bachelor's degree or teacher licensure will pay graduate tuition for the entire registration of a term if any courses are taken for graduate credit in that term. The maximum tuition will be the full-time graduate rate for the student's residence classification.

If the student is graduate degree-seeking, the graduate career is the student's primary career for financial aid and the student must be enrolled at least half-time in graduate courses to be eligible for federal financial aid, which will be at the graduate level. However, if the only enrollment is in undergraduate courses, undergraduate tuition will be charged, and the Office of Financial Aid will regard the undergraduate career as primary for that term if the graduate career is temporarily discontinued. In that case, the student must be enrolled at least half-time in undergraduate courses to be eligible for federal financial aid, which will be at the undergraduate level. A student cannot apply for graduation with the graduate degree when the graduate career is discontinued.

If the student is graduate non-degree, the undergraduate career is the primary career for financial aid. The student must be enrolled at least half-time in undergraduate courses to be eligible for federal financial aid, which will be at the undergraduate level.

Non-degree Graduate Student and Non-Degree Undergraduate Student

A student who has received a bachelor's degree may be simultaneously active in both a non-degree undergraduate career, to take undergraduate courses for personal interest, and a non-degree graduate career, to take graduate courses for personal interest or to demonstrate competence in graduate work prior to applying to a

graduate program. The student who wishes to do this must submit two applications for admission—one for post-baccalaureate undergraduate non-degree admission (see Post-baccalaureate, Undergraduate Study in this university catalog) and one for admission to non-degree graduate study (see Admission to Graduate Study in this university catalog). Students who are admitted in this way will have both an undergraduate and a graduate transcript.

A non-degree graduate student who is also a non-degree undergraduate student will pay graduate tuition for the entire registration of a term if any courses are taken for graduate credit in that term. The maximum tuition will be the full-time graduate rate for the student's residence classification. If the only enrollment is undergraduate courses, undergraduate tuition will be charged. Students who are not degree-seeking are not eligible for federal financial aid.

Workshops and Study Tours

From time to time, and especially during the summer session, opportunities are offered for earning credit through workshops. Workshops provide residence credit, but a maximum of 6 semester hours may be applied toward graduation. Workshops an be found at online.uni.edu.

Occasionally, departments of the university may arrange off-campus trips and study abroad opportunities for credit. These trips are open to graduate and undergraduate students.

Student Requests for Exceptions to Academic Policies and Regulations

Undergraduate and graduate students who want to request an individual exception be made to a stated academic policy or regulation should complete an academic student request. A student is encouraged to discuss an academic student request with their academic advisor prior to submitting the online form. The student request online form can be accessed through Student Center in MyUNIverse.

Academic Forgiveness Policy (3.21)

I. Purpose

The purpose of this policy is to provide an option for undergraduate students to seek one semester of forgiveness for past academic coursework, after separation from the University of Northern Iowa (UNI), and subsequently delineate the prescribed process.

II. Policy Statement

Students who have been separated from UNI for four or more years and who have experienced academic challenges affecting their grade point average, may wish to seek academic forgiveness as a means to restarting their academic career in order to graduate from UNI.

Students seeking academic forgiveness are responsible for ensuring their eligibility, initiating the process, and understanding the impact this policy may have on their academic record.

III. Procedures

1. **Eligibility**
   a. Eligibility for academic forgiveness requires that an individual:
      i. is a former undergraduate student at UNI for one or more semesters, and
      ii. has been separated from UNI (non-enrolled) for four consecutive calendar years or more, and
      iii. has not already earned an undergraduate degree from UNI or another accredited institution, and
      iv. has completed an application to re-enroll at UNI, or is re-enrolled at UNI following the designated separation, and
      v. has submitted an Application for Academic Forgiveness within one academic year of a return to UNI, and
      vi. is free from unresolved holds placed on enrollment by any UNI offices, and
      vii. is seeking academic forgiveness for a semester in which an academic ethics violation of level three or higher was not founded.

2. **General Qualifications**
   a. Academic forgiveness is a request to remove a semester of previously completed coursework from UNI’s calculated grade point averages upon approval of the request.
   b. Academic forgiveness is applied to one identified semester of classes from UNI, regardless of the number of credit hours in the semester, in the Application for Academic Forgiveness. All classes within the identified semester are included in the Application for Academic Forgiveness. Forgiveness is not applicable to individual classes.
   c. Major or program exit requirements (e.g. student teaching, culminating major/program field experience or internship) may not be eligible for forgiveness consideration depending on department/program policies.
   d. The semester requested for academic forgiveness must apply to the individual’s previous academic enrollment prior to reentry to UNI.
   e. Academic forgiveness can only be approved one time.
   f. Academic forgiveness is irreversible and final.
   g. Students must complete a minimum of 12 credit hours within two calendar years upon or after reentry to UNI or the forgiveness approval will be void.
   h. Tuition refunds are not considered for an academic forgiveness semester.

3. **Academic Records, Standing and Financial Aid Awards**
   a. All courses taken and grades earned during the semester of academic forgiveness remain on the student’s official transcript. They will be marked to show they have been removed from the computation of the GPA.
   b. The academic hours earned during the forgiveness semester will not count toward the number of hours required for graduation.
   c. Any courses in the forgiveness semester that satisfied departmental major/minor requirements should be reviewed

with the corresponding department by the student at the time of forgiveness application. It is the decision of the department if a previously completed course will count as fulfilling the requirement in question. The acceptance of previously completed requirements for the major/minor is not guaranteed.

d. UNIFI/General Education requirements satisfied by courses taken during an approved forgiveness semester are not eligible for waiver.

e. A successfully completed prerequisite course in the major or minor impacted by academic forgiveness (i.e. during the semester forgiveness is requested) must be approved for waiver or substitution by the department for the major/minor degree requirements; all other courses must be repeated.

f. Other universities and educational institutions may interpret transcripts and earned grade point averages differently. They may recalculate the grade point average to include all courses and semesters of earned credit.

g. The Financial Aid Satisfactory Academic Progress policy is not impacted by receiving academic forgiveness. All coursework attempted will be included in evaluating a student's satisfactory academic progress for financial aid purposes. Students placed on financial aid suspension as a result of not meeting the Satisfactory Academic Progress prior to academic forgiveness will continue to remain on financial aid suspension. However, students have the opportunity to appeal their satisfactory academic progress standing. Eligibility for specific academic scholarships is determined by the requirements of each academic scholarship program, including how GPA eligibility decisions are determined. Contact the Office of Financial Aid and Scholarships prior to submitting an Application for Academic Forgiveness to better understand any impact on financial aid and the satisfactory academic progress appeals process.

Effective Fall 2018 semester.

Office of the Registrar and Office of the Provost and Executive Vice President for Academic Affairs, approved January 4, 2018

University Council, approved February 12, 2018

President and Executive Management Team, approved February 26, 2018

Student Academic Ethics Policy (3.01)

Purpose

The culture of The University of Northern Iowa is characterized by a long-standing commitment to student learning and to excellence in teaching. This commitment has been established through the development of an open, ethical and caring community that promotes diversity, honesty, integrity, respect, fairness, trust and civility among its members. This community has created a culture based on core values that include intellectual vitality, intellectual and academic freedom, the well-being of its members and service to others.

In order to realize its commitments and values, all members of the UNI community must demonstrate academic integrity and ethical behavior and foster academic integrity and ethical behavior in others. Those who violate UNI's standards of academic ethics must be held responsible for their misconduct. Those who observe violations of academic ethics have a responsibility to address it.

It is the purpose of this document to describe the responsibilities, provide definitions and examples of conduct which violates academic ethics and recommend appropriate sanctions in the case of misconduct.

Policy

1. **Responsibilities of Academic Administrators**
   It is the responsibility of the Administration to foster and maintain the culture of the institution, including that of academic ethics and integrity. Ways of supporting this aspect of the University mission and culture may include:

   a. Collaborating with faculty in creation of procedures, policies, and tools for the education and enforcement of academic ethics and integrity.

   b. Assisting and supporting faculty in the investigation and appropriate correction of violations of academic ethics and integrity.

   c. Discussing the importance of academic honesty and ethics with students.

   d. Addressing violations of the academic ethics policy by a student.

   e. Communicating with faculty and students actions taken to address violations of academic ethics.

2. **Responsibilities of Faculty Members**
   Faculty members have responsibilities to model academic integrity and ethics for their students, to educate students about these qualities and behaviors and to promote compliance with the standards described in this policy. They may do so by:

   a. Describing in writing and distributing the objectives and requirements of the course they are teaching at the beginning of each semester and summer term;

   b. Including a reference to the Academic Ethics policy on each course syllabus every semester;

   c. Discussing the importance of academic honesty and ethics with students;

   d. Making clear on their syllabus their expectations regarding individual or collaborative work, the use of supplemental aids for examinations and assignments and other specific guidelines they want students to follow in completing assigned course work;

   e. Being available to answer students' questions about issues of academic honesty and proper procedures for course work;

   f. Addressing violations of the academic ethics policy by a student.

3. **Responsibilities of Students**
   Students have responsibilities to become educated about the standards of ethics and behavior in the academic community and to adhere to those standards in all of their academic work. Students fulfill their responsibilities by:

   a. Reading and becoming familiar with the Academic Ethics policy;

b. Understanding and avoiding actions that violate the Academic Ethics policy;

c. Undertaking a commitment to act with honesty and integrity in completing any and all academic work;

d. Understanding and applying the proper methods of attribution and citation in all written, oral and electronic submissions;

e. Making sure they understand the requirements and expectations for academic work of each of their professors and to seek clarification from the faculty member when they are unsure if their behavior will violate those expectations;

f. Maintaining University standards by reporting acts of academic misconduct to the faculty member for the course or another academic administrator such as a department head or dean.

4. **Academic Ethics Violations**

a. **Plagiarism**

i. Copying information word for word from a source, including cutting and pasting information from an electronic text, without using quotation marks and giving proper acknowledgment of the source or providing a proper citation.

ii. Paraphrasing, or putting into one's own words, the text of a source without providing proper acknowledgment of the source or providing a proper citation. The paraphrasing leads the reader of the text to believe that the ideas and arguments presented are one's own.

iii. Paraphrasing extensive portions of another source, even with citation. The extensive paraphrasing leads the reader of one's own text to believe that the ideas and arguments presented are one's own or it results in one's own contribution to the work being minimal.

iv. Presenting any work or part of a work or assignment that has been prepared by someone else as one's own. This would include using unauthorized assistance in preparing the work or acquiring written work from another person, purchasing a paper or assignment from a commercial organization, using the work of another person or obtaining the answers or work from any other source.

v. Reproducing, without proper citation, any other form of work of another person such as a graph, experimental data or results, laboratory reports, a proof, or a problem solution, in full or in part.

b. **Misrepresentation** Misrepresentation is a false statement of fact. Examples in the academic arena include but are not limited to:

i. Arranging for another student to complete course work for one including taking an exam on one's behalf.

ii. Taking credit for work one didn't complete, such as taking credit for a team assignment without participating or contributing as expected by one's instructor or team mates.

iii. Turning in the same or substantially similar written work to satisfy the requirements for more than one project or course, without the express, prior written consent of the instructor or instructors. If the work is from a prior term's course one would need the express written consent of the current instructor. If you want to submit the work in more than one course during the same term one needs the express written consent of all instructors who will receive the work.

c. **Fabrication** Fabrication means falsifying or misusing data in any academic exercise. Examples include but are not limited to:

i. Falsifying data collected during a research activity.

ii. Presenting falsified data in a paper, manuscript, or presentation.

iii. Making up a source for a citation.

iv. Citing a source the writer did not use.

v. Altering and resubmitting assignments, tests, quizzes or exams to gain additional credit.

d. **Cheating** Cheating is the use or attempted use of any unauthorized assistance in any academic exercise. Examples include but are not limited to:

i. Copying from someone else's assignment, paper, quiz or exam.

ii. Looking on someone else's exam before or during an examination.

iii. Unauthorized use of notes or other aids during a quiz, exam or other performance evaluation.

iv. During a quiz or exam, using an electronic device that contains unauthorized information.

v. Communicating or attempting to communicate answers, hints or suggestions during an exam using any means including electronic devices.

vi. Collaborating, without prior permission from one's professor, in the preparation of assignments, lab reports, papers or take home exams.

vii. Using another person's answers for an assignment.

viii. Providing test questions to other students either orally or in written form.

ix. Stealing or attempting to steal an exam, exam questions or an answer key.

e. **Impeding fair and equal access to the educational and research process.** Examples of this include but are not limited to:

i. Tampering with, damaging, hiding or otherwise impeding other students' access to library materials or other related academic resources.

ii. Attempting to prevent access by others to the computer system or destroying files or materials in the e-learning system for the course.

f. **Misrepresenting or misusing one's relationship with the University.** Examples of this include but are not limited to:

i. Falsifying, misusing, or tampering with information such as test scores, transcripts, letters of recommendation or other materials required for admission to and continued enrollment and access in the University's programs or facilities.

ii. Altering, forging or misusing academic records or any official University form regarding self or others.

iii. Presenting false information at an academic proceeding or intentionally destroying evidence important to an academic proceeding.

iv. Making a bad faith report of an academic integrity violation.

v. Offering bribes to any University representative in exchange for special favors or consideration in an academic proceeding.

g. **Facilitation** Facilitation occurs when you knowingly or intentionally assist another in committing a violation of any of the previous sections of this academic ethics policy.

5. **Academic Ethics Sanctions**
A record of all documented violations will be maintained in the Office of the Executive Vice President and Provost. Notice of all documented violations will also be sent to the Dean of Students. Any reported violation that involves a research activity, as defined in the research misconduct policy, will be reported to the Research Misconduct Officer and the investigation and sanction of research misconduct will be coordinated.

Students accused of a violation of academic ethics may appeal the decision using the Academic Grievance process described in 12.01 Academic Grievance Policy

a. **Level One Violations**
Level One violations occur because of inexperience or lack of knowledge of principles of academic ethics on the part of the person committing the violation. These violations only involve a small fraction of the total course work, are not extensive, occur on a minor assignment and would not have appreciably increased the student's grade in the course.

Examples include but are not limited to:

- Working with another student on a homework assignment or a lab report when the instructor has not explicitly authorized collaborative work.
- Failure to properly cite once in a paper.
- Possible sanctions are, but are not limited to:
- Giving no credit for the assignment; course grade determined in the usual manner.
- Requiring a makeup assignment that is more difficult than the original assignment.
- Completing an assignment involving practice of proper citation.
- Reprimanding the student in writing in the form of a letter addressed to the student and copied to the faculty department head, the student's department head (if different) and the Office of the Executive Vice President and Provost. The letter should document the academic ethics violation and action taken. The letter must also advise the student of his/her right to file a grievance and provide the web address of the grievance policy.

Level One reprimands will be placed in the student's file maintained in the Office of the Executive Vice President and Provost but will not be made public or attached to transcripts or other records. The Provost will notify the student in writing that such action has been taken.

b. **Level Two Violations Level Two violations involve dishonesty and/or affect a significant portion of the course work.**
Examples include but are not limited to:

- Direct quotation or paraphrasing, more than once in an assignment without acknowledging the source.
- Copying on an examination.
- Giving unauthorized assistance to someone during an exam.
- Submitting the same work or major portions of a work to satisfy the requirements of more than one course without permission from the instructor.
- Using the work of collaborators on an assignment or laboratory report without acknowledging their contributions.

Possible sanctions include, but are not limited to:

- No credit for the assignment; course grade determined in the usual manner.
- No credit for the assignment; reduction in course grade.
- Completing an assignment on academic ethics.

Reprimanding the student in writing in the form of a letter addressed to the student and copied to the faculty department head, the student's department head (if different) and the Office of the Executive Vice President and Provost. The letter should document the academic ethics violation and action taken. The letter must also advise the student of his/her right to file a grievance and provide the web address of the grievance policy. The Executive Vice President and Provost or designee will notify the student in writing that such action has been taken.

c. **Level Three Violations**
Level Three violations include dishonesty that affects a major or essential portion of work done to meet course requirements or assisting others to dishonestly complete such work. A third Level One violation or second Level Two violation will also be considered as a Level Three violation.

Examples include but are not limited to:

- Using prohibited materials during an exam.
- Altering an exam or assignment and submitting it for re-grading.
- Acquiring or distributing exam questions from an unauthorized source.
- Acquiring or distributing an exam answer key from an unauthorized source.
- Plagiarism that exceeds the Level Two violation threshold.
- Presenting the work of another person as one's own.
- Interfering with other students' access to course materials in the library or electronically posted.
- Fabricating research data.

Required sanctions:

- Disciplinary failure for the course. (This will appear on the student's transcript.)

- Reprimanding the student in writing in the form of a letter addressed to the student and copied to the faculty department head, the student's department head (if different) and the Office of the Executive Vice President and Provost. The letter should document the academic ethics violation and action taken. The letter must also advise the student of his/her right to file a grievance and provide the web address of the grievance policy. The Executive Vice President and Provost or designee will notify the student in writing that such action has been taken.

Possible further sanction, determined by the Office of the Executive Vice President and Provost, based on the student's prior record of academic ethics violations, includes disciplinary probation.

d. **Level Four Violations**
Level Four violations are the most serious breaches of intellectual ethics.

Examples include but are not limited to:

- Breaches of academic ethics which involve forgery, theft or falsification of University documents or credentials.
- Taking an exam for someone else or having someone else take an exam for you.
- Fabrication of evidence, falsification of data, quoting directly or paraphrasing without proper acknowledgment of the source and/or presenting the ideas of another as your own in a senior thesis, master's thesis or doctoral dissertation, in scholarly articles submitted to refereed publications or conferences as a student.
- Willful violation of a canon of an ethical code of the profession for which a student is preparing.
- Repeated lower level violations such as fourth Level One, third Level Two or second Level Three violation.

Required sanctions:

- Reprimanding the student in writing in the form of a letter addressed to the student and copied to the faculty department head, the student's department head (if different) and the Office of the Executive Vice President and Provost. The letter should document the academic ethics violation and action taken. The letter must also advise the student of his/her right to file a grievance and provide the web address of the grievance policy. The Executive Vice President and Provost or designee will notify the student in writing that such action has been taken.
- Permanent expulsion from the University and a notation of "academic disciplinary separation" on the student's transcript.

Faculty Senate, approved April 16, 2012
President's Cabinet, approved August 6, 2012

Student Conduct

The University of Northern Iowa expects all students to observe university regulations and the city, state, and federal laws, and to fully respect the rights of others. The University Student Conduct Code contains more specific information concerning student conduct and disciplinary action. This information is available by visiting deanofstudents.uni.edu/student-conduct. A printed copy is available in the Dean of Students Office.

Student Records

In the maintenance of student records, and in permitting access to those student records or the release of information in those records, the University of Northern Iowa complies with the laws of the United States and the State of Iowa.

University policies relative to student records are available at https://policies.uni.edu/311. Information about the Family Educational Rights and Privacy Act and the regulations required by this act may be viewed at https://registrar.uni.edu/ferpa.

Student Persistence

Iowa Regents' Universities have conducted studies annually of student persistence to graduation. A summary of the findings of the most recent study are available at ie.uni.edu.

Student Academic Grievances

Equitable due process in academic matters is provided in grievance procedures for students. Copies are also available in all departmental offices and the Office of the Executive Vice President and Provost, Seerley 20 and can be found online at www.uni.edu/policies/1201 (12.01 Student Academic Grievance in the Policies and Procedures Manual).

UNI Equal Opportunity and Non-Discrimination Statement (13.03)

Purpose

To provide guidelines regarding equal opportunity and non-discrimination at the University in compliance with applicable federal and state non-discrimination and affirmative action laws and regulations.

Policy Statement

No person shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination in employment, any educational program, or any activity of the University, on the basis of age, color, creed, disability, ethnicity, gender identity, genetic information, marital status, national origin, political affiliation, pregnancy, race, religion, sex, sexual orientation, veteran or military status, or on any other basis protected by federal and/or state law.

The University of Northern Iowa prohibits discrimination and promotes affirmative action in its educational and employment policies and practices as required by Title IX of the Educational Amendments of 1972, the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964 and other applicable laws and University policies. The University of Northern Iowa prohibits sexual harassment, including sexual violence.

The following person has been designated to handle inquiries regarding the equal opportunity and non-discrimination policies and serves as the University Title IX Officer and the Section 504/ADA Coordinator: Leah Gutknecht, Assistant to the President for Compliance and Equity Management, Office of Compliance and

Equity Management, 117 Gilchrist Hall, UNI, Cedar Falls, IA 50614-0028, 319-273-2846, **leah.gutknecht@uni.edu.**

Policies are subject to change. For current policy, see https://policies.uni.edu/1303.

UNI Discrimination, Harassment, and Sexual Misconduct Policy (13.02)

Purpose

The University (referred to as "University" or "UNI") is committed to providing a workplace and educational environment, as well as other benefits, programs, and activities, that are free from discrimination and harassment based on a protected class, as well as retaliation.

Policy Statement

To affirm its commitment to promoting the goals of fairness and equity in all aspects of the educational program or activity, and to ensure compliance with federal and state civil rights laws and regulations, the University has developed internal policies and procedures that provide a prompt, fair, and impartial process for those involved in an allegation of discrimination or harassment on the basis of protected class, and for allegations of retaliation. The University values and upholds the equal dignity of all members of its community and strives to balance right rights of the parties in the Formal Complaint process during what is often a difficult time for all those involved.

This policy prohibits all forms of discrimination based on a protected class. Sometimes, discrimination involves exclusion from or different treatment in activities, such as admission, athletics, or employment. Other times, discrimination takes the form of harassment or, in the case of sex-based discrimination, can encompass sexual harassment, sexual assault, stalking, sexual exploitation, dating violence or domestic violence. When an alleged violation of this policy is reported, the allegations are subject to resolution using the University's procedures as determined by the Title IX Coordinator, and as detailed in the policy.

When the Respondent is a member of the UNI community, a Formal Complaint process may be available regardless of the status of the Complainant, who may or may not be a member of the University community. This community includes, but is not limited to, students, student organizations, faculty, administrators, staff, and third parties such as guests, visitors, volunteers, invitees, and campers. The procedures in this policy may be applied to incidents, to patterns, and/or to the campus climate, all of which may be addressed and investigated in accordance with this policy.

The University provides a variety of resources to assist individuals who have experienced discrimination, harassment, or sexual misconduct to address the effects of the incident and to help them determine whether and how to make a formal complaint about the incident. Additional resource-related information can be found at https://equity.uni.edu.

All reports of discrimination, harassment, and/or retaliation shall be promptly made to the Title IX Officer (or designated Deputy Coordinator). The Assistant to the President for Compliance and Equity Management serves as the Title IX Officer and ADA/504 Coordinator and oversees implementation of the University's Affirmative Action Plan and the University's Policy on Discrimination, Harassment, and Sexual Misconduct.

Policies are subject to change. For current policy, see https://policies.uni.edu/sites/default/files/13.02.pdf.

UNI Accommodations of Disabilities Policy (13.15)

Purpose

To provide guidelines regarding the University's compliance with the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments Act of 2008 (ADAAA), and other applicable federal and state laws and regulations.

Policy Statement

No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the University, or be subjected to unlawful discrimination by the University. This policy applies to all aspects of campus activities including employment, education, student programming, and services provided to the community at-large.

Students: In order to receive assistance with requests for accommodations, a student with a disability must contact Student Accessibility Services.

Employees: An employee with a disability who wishes to request an accommodation must contact his/her/their supervisor or the Leave & Accommodations Coordinator located in Human Resource Services. All University employees in a supervisory capacity are required to report any request for accommodation received to **the Employee Leave & Accommodations Coordinator**.

Events: Any individual (student, university employee or visitor) who plans to attend an event on campus and wishes to request an accommodation should contact the venue hosting the event. Visitors may also contact the Leave & Accommodations Coordinator for assistance.

To ensure accessibility in all programs and events, the following statement is to be placed in program announcements:

Individuals with disabilities are encouraged to attend all UNI-sponsored events. If you are a person with a disability who requires a reasonable accommodation in order to participate in this program, please contact (sponsoring department or contact person) at (telephone number and email) at least one week prior to the event.

If the event includes a meal, the following statement should be added:

If you have special dietary needs, please contact (sponsoring department or contact person) at (telephone number and email).

If a text telephone (TTY) number is available, it should be included in the program announcements.

It is the responsibility of the sponsoring department to arrange necessary accommodations. The sponsoring department should identify the individual(s) responsible for handling accommodation requests.

While the university will not deny a request based on a deadline, advance notice can be requested. The university must make a good faith effort to provide reasonable accommodations whenever a request is received.

If an employee or student feels his/her/their rights under the Rehabilitation Act, the ADA, and/or the ADAAA have been violated, he/she/they may consult with the Office of Compliance and Equity Management and/or utilize the procedures outlined in the Discrimination, Harassment, and Sexual Misconduct Policy. The Assistant to the President for Compliance and Equity Management is the designated ADA Compliance Officer.

For additional information, visit https://uni.edu/resources/accessibility or contact the Office of Compliance and Equity Management, 117 Gilchrist, University of Northern Iowa, Cedar Falls, IA 50614-0028, 319.273.2846, equity@uni.edu, https://equity.uni.edu.

Policies are subject to change. For current policy, see https://policies.uni.edu/1315.

Office of Compliance and Equity Management, approved August 2013, updated January 2019
President's Cabinet, approved December, 2013

Undergraduate Information and Degree Requirements

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The University of Northern Iowa offers degrees at both the undergraduate and graduate levels. Graduate information is provided in the Graduate Degree Requirements, and specific graduate major program requirements are listed within the Program Requirements section by department. At the undergraduate level, the University of Northern Iowa offers five traditional baccalaureate degrees: the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Music, the Bachelor of Science, and the Bachelor of Social Work. The university also offers two additional baccalaureate degrees: the external degree of Bachelor of Liberal Studies (B.L.S.) which provides a unique path to a four-year degree; and the the Bachelor of Applied Science (B.A.S.) which offers educational opportunities to those students who have completed an A.A.S. degree and are now seeking to complete a four-year degree. Details for both of these degree programs are provided in this University Catalog. These students are often place-bound and need to take online classes while remaining a full-time employee. Major goals in the programs leading to these degrees are the advancement of humane learning and the preparation of all students to cope intelligently, effectively, and reasonably with the complex and changing conditions of life in modern society. To attain these goals, while at the university, students are expected to make significant progress toward:

1. understanding themselves and the society in which they live,

2. developing the ability to read, write, and speak their own language well and to appreciate its literature,
3. gaining an acquaintance with the literature of another language and the culture of its people, preferably in the original, but certainly through the study of translations,
4. securing a thorough grounding in the history and cultural traditions of the modern world with a special sympathetic understanding for the economic, social, and political problems of our time,
5. acquiring an understanding of the principles and methods of the natural sciences and mathematics and the part they play in modern society,
6. developing the ability to perceive the values of the arts and derive an enjoyment from them,
7. acquiring a knowledge of how to care for their own health and physical environment and to take an intelligent interest in the health and welfare of the community in which they live, and
8. growing in the desire to secure knowledge.

To achieve these ends, students are obliged to take a variety of courses drawn from among the arts, humanities, philosophy, mathematics, and language, and from among the biological, physical, and social sciences. Concentration in a major field enables students to engage in intensive study, to think for themselves, and to exercise discriminating judgment. It prepares the student for more advanced work if they decide to go on to graduate school, or for immediate employment. This emphasis on the academic program is not to exclude the contributions made by other parts of the university life to the substantial development of a student's personality - social and athletic activities, public speaking and dramatic arts, music, art, public affairs, or other programs.

The desired result of these degree programs is not an individual who conforms to society as it is or sees their own vocation within the narrow confines of the day-to-day occupation, but rather a person enriched in mind and spirit and so stimulated that this person will seek with eagerness to contribute to the benefit of the world in which they live. Such a program is desirable for all students whatever their future professions may be.

All credit hours stated in this catalog, for a program, assume students have **appropriate preparatory course work**. If a student's preparation is inadequate, additional course work may be necessary and may extend the length of the program and the time required to complete graduation requirements.

For those who plan to become teachers, additional work is required in professional education. This work seeks to enhance the student's interest in and commitment to teaching, to instill loyalty toward the profession, and to encourage the desire for continuous professional growth. The student acquires the skills, techniques, and understanding necessary to good teaching by studying current knowledge concerning the physical, emotional, and mental growth of children and youth, the ways that they learn, and methods for guiding them to reach full potential. As part of her/his preparation, the student explores the mutual relationships and responsibilities of the teacher, the school, and the community.

The prospective teacher must also spend a significant part of her/his time in the area of learning chosen for concentration. The student's mastery of the subject matter of this area, its closely-related fields, and the skills and professional dispositions needed to present it effectively are essential aspects of successful teaching.

The teacher preparation program requires more hours to complete than many of the other programs in order to include the necessary professional work and to approximate, as far as possible in a four-year period, the other major goals previously listed. Students completing the teacher preparation program are strongly encouraged to continue their education beyond the bachelor's degree.

Declaration of Major

Academic Advisement Report

The choice of major should be made as early as possible in the student's university career in order to complete the program and fulfill requirements for graduation. The major requirements for degree completion are tied to the catalog year the major is declared. The student is assigned an advisor at orientation based on the major indicated at that time. Those students who are pre-majors, and students adding or changing a major, indicate this to the major department on a *Declaration of Curriculum* form and a new advisor is assigned. The form is filed with the Office of the Registrar.

Degree-seeking, first baccalaureate students are eligible for an ***Academic Advisement Report***. This is prepared by the Office of the Registrar and made available to the student in their Student Center. Changes in the student's declared major or minor are reflected on the Academic Advisement Report upon processing.

Undergraduate Curricula

Bachelor of Arts Degree

Two programs leading to the Bachelor of Arts degree are available.

A. Bachelor of Arts - Teaching Program - 120 semester hours

Note: Programs requiring more than 120 semester hours to graduate (see major requirements) are identified and may include up to 144 semester hours.

On this program students are prepared as:

1. Secondary teachers of art, business, biology, chemistry, communications, earth science, english, industrial arts, mathematics, music, physical education, physics, science, social science subjects (economics, history, etc.), spanish, and speech.
2. Special teachers of art, industrial arts, music, physical education, special education, and speech.
3. Early childhood and elementary teachers (kindergarten through sixth grade).
4. Middle level education teachers in various areas of instruction.

B. Bachelor of Arts - 120 semester hours

Note: Programs requiring more than 120 semester hours (see major requirements) are identified.

On this program students are prepared in the following areas:

1. **Liberal Arts -** accounting, applied human sciences, art, biology, business, chemistry and biochemistry, communications, computer science, criminology, economics, English, finance, health,

leisure services, management, marketing, mathematics, music, philosophy, physical education, physics, psychology, spanish, speech, social science, social work, science, technology, and theatre.

2. **Program for Registered Nurses**
   A student certified or licensed as a registered nurse (R.N.) may be recommended for a Bachelor of Arts degree with a major in General Studies in accordance with the following provisions:
   a. A student who has taken the work required for certification or licensure, including the successful completion of required agency examinations, will have 34-45 semester hours accepted for transfer to apply on the bachelor's degree. Such work may have been earned in a two-year associate degree program or in an approved hospital diploma program.
      These hours of transfer work may be affected by a general university requirement that a maximum of 65 semester hours may be accepted from a two-year institution. The 34-45 semester hours of transfer credit for R.N. certification is considered part of this limit. Thus, a student who has earned more than 20 semester hours of other two-year college credit may not be able to use all of the nursing credits for graduation requirements. Such individuals should consult the Director of Admissions concerning the application of this requirement in their situation.
   b. Eleven of the total number of units accepted as advanced standing for R.N. certification are applied to UNIFI/General Education requirements. Students will be held to courses required in the remaining UNIFI categories.
   c. The student shall complete a minimum of 15 hours of upper-level courses from each of two of the four colleges for a total of 30 hours. The student's program will be planned in consultation with the Individual Studies Coordinator.
      As an alternative to item 3, the student may complete the requirements for a major offered by any department and graduate with a Bachelor of Arts in the chosen major.
   d. A student may not earn duplicate credit for courses taken at another institution and judged to be equivalent.
   e. The student shall earn enough credit in elective courses to have a total of 120 hours of academic credit.
   f. This program is under the jurisdiction and general supervision of Individual Studies. Students entering this program will confer with the Individual Studies Coordinator.
      This degree program is not recommended for students intending to work in nursing education at the collegiate level, in such areas as public health, or psychiatric nursing, nor those for whom the primary intention is graduate work in nursing.
3. **Joint Program**
   Students interested in one of the following professional programs may complete the basic work on the University of Northern Iowa campus and transfer back to UNI a year's credit from the professional school to complete the requirements for a Bachelor of Arts degree in Biology at UNI:
   - Chiropractic
   - Medical Laboratory Sciences
   - Nursing 3+1

A student shall complete the core and cognate requirements for the B.A. (Joint Program Option) in Biology, an additional 10 credits at the BIOL 3000/4000 level, and have a total of 90 semester hours recognized by UNI, at least 32 of which were completed at UNI. The professional courses transferred must bring the total hours to at least 120 semester hours. Credit is accepted only from professional schools which are fully accredited. Details of the B.A. (Joint Program Option) are available from the Biology Department.

The student must know the requirements for entrance to the professional school so as to be able to take at the University of Northern Iowa the work required for admission while at the same time meeting UNI degree requirements. The student will work with the Biology Department advisor who will help in the selection of proper courses.

A student who meets the above requirements may use professional credit from one of the approved professional programs with which the Department of Biology has an articulation agreement to satisfy the remaining hours required for the baccalaureate degree at the University of Northern Iowa. The student shall have completed all of the specific requirements for the B.A. (Joint Program Option).

C. Other Programs

1. **Pre-professional**
   Guide sheets are available to assist a student with considering courses at UNI in preparation for pursing further schooling in the areas of chiropractic, dentistry, genetic counseling, medicine, nursing, occupational therapy, optometry, orthotist & prothetist, pharmacy, physical therapy, physician assistant, and veterinary medicine. These program guides may be requested from the Office of Admissions or by visiting the website https://chas.uni.edu/biology and clicking on Pre-health Programs. Please note that these are recommendations only. A student should contact an institution directly or visit their web site for complete and current course and/or admission requirements.
2. **Cooperative Programs**
   1. The University of Northern Iowa offers prerequisite coursework for students planning to apply for the Bachelor of Science in Nursing degree at Allen College, Waterloo, IA or at other nursing programs. Allen College has a cooperative agreement with UNI for students admitted into the nursing program.

   2. Dual degree program in Nursing in cooperation with Allen College in Waterloo, IA. The first three-years of required coursework in sciences and liberal arts are completed at UNI. The student then will complete nursing courses through the accelerated program at Allen College. When finished, a student will have a Bachelor of Nursing from Allen College and either a bachelor's degree in Biology or in Individual Studies – Health Sciences.

   3. The University of Northern Iowa offers prerequisite coursework for students planning to apply for allied health programs at Allen College, Waterloo, IA in Diagnostic Medical Sonography and Medical Laboratory Science. In addition, Allen College has a cooperative agreement with UNI for students admitted into the radiography program.

   4. Dual degree program in Medical Laboratory Sciences in cooperation with Allen College in Waterloo, IA and St. Luke's Hospital in Cedar Rapids, IA. The first three-years of required coursework in sciences and liberal arts are completed at UNI. During the fourth year, medical technology courses are finished at either Allen College or St. Luke's Hospital. When finished, Allen College students will earn a bachelor's degree from UNI and a bachelor of Health Sciences from Allen College. St. Luke's

graduates will earn a bachelor's degree from UNI and a Certificate in Medical Laboratory Science from St. Luke's College-Unity Point.

5. Dual degree program in chiropractic medicine with Logan College of Chiropractic, Chesterfield, MO; Palmer College of Chiropractic, Davenport, IA; Cleveland University – Chiropractic & Health Sciences, Overland Park KS; and Northwestern College of Chiropractic, Bloomington, MN. The first three-years of required coursework in liberal arts and sciences are completed at UNI. After one-year of satisfactory completion of chiropractic coursework at the cooperating institution, UNI will award a bachelor's degree in Biology. The student will then complete the three additional years of required chiropractic coursework to earn a Doctor of Chiropractic (DC) from the cooperating program.

6. Dual-degree program in physics and engineering in cooperation with Iowa State University (ISU). The first three years of coursework in general education and physics are completed at UNI. During the fourth and fifth years, engineering courses are completed at ISU. When finished, a student will have a bachelor's degree in Physics from UNI and bachelor's degree in Engineering from ISU.

Residence requirements for students in approved Cooperative Programs which result in dual degrees differ from other degree requirements. For Cooperative programs, students must earn a minimum of 32 credit hours from UNI with a minimum of 15 credit hours at the junior and senior level.

A student who expects to transfer to another institution should declare their special interest at the time of admission. The student will be assigned to an advisor who is familiar with the type of program being sought.

Before seeing their advisor for the first time, the student should secure a current copy of the catalog of the school to which the transfer is planned.

3. **Community College Partnerships**
Several statewide partnerships exist. An Associate of Arts (A.A.) or an Associate of Science (A.S.) degree from any accredited institution of higher education shall be accepted to meet all of UNI's UNIFI/General Education program requirements. The reverse credit transfer agreement allows students to complete their A.A. or A.S. degrees after transferring by using UNI courses to complete the A.A. or A.S. degrees.
The Transfer Connection Program provides students enrolled at the community college an adviser from UNI to help plan a course of study at the community college. In addition, other partnerships, known as articulation agreements, have been developed between UNI and all Iowa community colleges for specific UNI baccalaureate degree programs. These agreements show specific courses that need to be taken at each school to complete a program. If available, an articulation agreement typically results in the quickest route to graduation for a transfer student.
UNI has developed numerous articulation agreements between Associate of Applied Science (A.A.S.) programs at the community colleges and majors in the Department of Applied Engineering & Technical Management at UNI, which allows for a greater number of Career-Technical credits to transfer. Additionally, UNI has developed an Elementary Education 2+2 Program. Students in this program can earn an A.A. or A.S. degree from an Iowa community college, or have completed a similar set of courses at another institution. Since most Elementary Education 2+2 students are place bound or career changing, the UNI course schedule of the Elementary Education 2+2 Program is offered through our Online and Distance Education Department. The Elementary Education 2+2 Program offers B.A. degrees in Elementary Education or Elementary/Middle Level Education dual majors. Minors currently available include Early Childhood Education, Literacy Education, and Social & Emotional Learning with more in development. Called the Elementary Education 2+2 Program, however, the time to complete the degree may take more than 4 years depending on individual circumstances. For more information contact the UNI Office of Admissions, Cedar Falls, IA; Phone 319-273-2281.

Army Reserve Officers' Training Corps (ROTC)

1.**The Four-Year Program**
The Army ROTC Four-Year Program consists of two parts: the Basic Course and the Advanced Course.

The Basic Course is usually taken during the freshman and sophomore years. Students taking a Basic Course class do not incur a military service obligation (except for scholarship students). The Basic Course teaches the student leadership, oral and written communication skills, team building, survival skills, and basic soldier skills. There is no prerequisite that the basic courses be taken in sequence; however, a student must complete the basic course or the equivalent (see paragraph 2. below), before progressing into the advanced course. The Advanced Course is usually taken during the junior and senior years. Students must sign an ROTC contract before enrolling in Advanced Course classes. Students enrolled and contracted in the Advanced Course will incur a military obligation (either active or reserve). The Advanced Course teaches the student about small unit tactics, leadership, ethics, management of military organizations and resources, as well as military law. The Department of the Army will pay all contracted cadets up to $4,200 a year during the last two years of the program.

2. **Alternatives to the Basic Course Program**
The alternatives to the Basic Course are designed specifically to fill the needs of the students who did not take Army ROTC during the first two years. Placement credit for the basic course may be obtained in several ways. The most common methods are prior military service, enlisted basic training, or successful completion of the four-week summer ROTC Basic Camp. With credit gained through an alternative to the basic course, students must have two academic years remaining in order to complete the Advanced Course.

3. **ROTC Scholarships**
U.S. Army ROTC has two-, three- and four-year merit based scholarships available to qualified cadets. They pay 100% of tuition and required fees at UNI or a $10,000 year room and board allowance. These scholarships also provide $600 per semester for textbooks, supplies, and equipment and a subsistence allowance of up to $4,200 for each school year that the scholarships are in effect. Winning and accepting an ROTC scholarship does not preclude accepting other scholarships. Additional ROTC scholarship information is contained in this University Catalog.

4. **The Simultaneous Membership Program**

The Simultaneous Membership Program (SMP) allows contracted cadets to be members of the Iowa Army National Guard or the Army Reserve and Army ROTC simultaneously.
ROTC SMP cadets are paid at the rate of a Sergeant (E-5) for their one weekend a month training assemblies. They also can receive up to $4,200 a year subsistence allowance from the ROTC Advanced Course and may also qualify for G.I. Bill educational assistance benefits. SMP cadets can also compete for two and three year scholarships available specifically for them.

5. **Advanced Leadership Techniques Minor**
The Military Science Department offers a minor in Advanced Leadership Techniques. Requirements for the minor are 33-39 hours and include Military Science courses as well as elective courses. More information is contained in this University Catalog.

6. **Additional Information**
Additional information regarding the U.S. Army ROTC program is contained under the section titled Military Science in this University Catalog. The specific courses offered by the Department of Military Science are listed under the Department of Military Science in the course description section. For additional information, write to the University of Northern Iowa, Department of Military Science, Cedar Falls, IA 50614-0142; come in person to Nielsen Field House 273, UNI campus; or call the student advisor at 319-273-7648 or 319-273-6225. Please visit our website https://csbs.uni.edu/military-science.

Bachelor of Arts - Liberal Arts Curricula

A minimum of 120 semester hours is required to complete the B.A. Liberal Arts degree. All candidates on this program will complete the following pattern:

UNIFI/General Education (minimum 37 hours) *	37
Major, minor, foreign language, electives	83
Total Hours	**120**

* Programs requiring more than 120 hours are identified (see specific major requirements).

Not later than the beginning of the sophomore year, each student enrolled in this program will choose one major from the list below. A knowledge of a foreign language is required or recommended for several majors. Specific information regarding the foreign language requirements will be found with the departmental listings. It is recommended that the student include in their electives a course in the literature of some language or languages other than English (in translation if not in the original).

Majors and Minors

Specific requirements for the various majors and minors will be found with the departmental listings.

Majors

- Accounting
- Anthropology
- Art
- Athletic Training and Rehabilitation Studies
- Biochemistry
- Biology
- Biology: Ecology, Evolution and Organismal Biology Emphasis
- Biology: Biomedical Emphasis
- Business Analytics
- Chemistry
- Communication
- Communication/Digital Media
- Communication/Public Relations
- Communication Disorders
- Computer Science
- Criminology and Criminal Justice
- Earth Science
- Economics
- English
- Environmental Resource Management
- Family Services
- Finance
- General Studies
- General Studies for Registered Nurses
- Geography
- Gerontology
- Graphic Design
- Graphic Technology
- History
- Human Resource Management
- Individual Studies
- Interactive Digital Studies
- Interior Design
- Kinesiology and Exercise Science
- Management
- Management Information Systems
- Marketing
- Mathematics
- Mathematics-Statistics/Actuarial Science
- Music
- Philosophy
- Physics
- Political Communication
- Political Science
- Psychology
- Public Administration
- Public Health
- Real Estate
- Recreation, Tourism and Nonprofit Leadership

- Sociology
- Spanish
- Study of Religion
- Supply Chain Management
- Teaching English to Speakers of Other Languages (TESOL)
- Technology Management
- Textile and Apparel
- Theatre

Minors

- Accounting
- Advanced Leadership Techniques
- Air Quality
- Anthropology
- Art
- Art History
- Astronomy
- Athletic Training and Rehabilitation Studies
- Biology
- Business Communication
- Chemistry
- Communication
- Communication/Digital Journalism
- Communication/Digital Media Leadership
- Communication/Public Relations
- Computer Science
- Criminology
- Data Science
- Digital Media Production
- Earth Science
- Economics
- Educational Technology
- Electrical and Electronics Technology (EET)
- English
- English-Film Studies
- Environmental Assessment
- Environmental Earth Science
- Ethics
- Family Studies
- Finance
- General Business Concepts
- Geography
- Geology
- Gerontology
- Graphic Technology
- History
- Hydrology
- Interactive Digital Studies
- Interdisciplinary Language Studies: French
- International Affairs
- International Business
- International Business (non-business majors)
- Jazz Studies
- Legal Studies
- Manufacturing Technology Design
- Marketing
- Materials Science and Technology
- Mathematics
- Mathematics: Statistics and Actuarial Science
- Mental Health
- Music
- Nanoscience and Nanotechnology
- Organizational Leadership
- Philosophy
- Physics
- Political Science
- Psychology
- Public Administration
- Public Health
- Public History
- Real Estate
- Real Estate-Business
- Recreation, Tourism and Nonprofit Leadership
- Religion
- Russian and East European Studies
- Social & Emotional Learning
- Social Justice
- Social Welfare
- Sociology
- Spanish
- Spanish/English Translation
- Sport Administration
- Strength and Conditioning
- Teaching English to Speakers of Other Languages (TESOL)
- Textile and Apparel
- Theatre
- Studies in Sexuality, women and Gender
- Writing

Bachelor of Arts - Teaching Program Curricula

The minimum total hours to graduate with a B.A. Teaching degree is 120 hours. Majors requiring more than 120 semester hours to graduate are identified (see specific major requirements). All candidates pursuing a B.A. Teaching degree will choose one of the following patterns not later than the beginning of the sophomore year.

A. Preparation for teaching in the secondary school or in special subjects.

UNIFI/General Education (minimum 37 hours) *	37
Professional Education Requirement	33
Major, minor, electives **	50-74
Total Hours	**120-144**

B. Preparation for teaching in the elementary school (kindergarten and grades 1-6).

UNIFI/General Education (minimum 37 hours) *	37
Professional Education Requirement	33
Major requirements	55-60
Area of Specialization ***	12
Total Hours	**137-142**

C. Preparation for teaching in early childhood education (birth through grade 3).

UNIFI/General Education (minimum 37 hours) *	37
Professional Education Requirement	33
Major requirements	65-68
Total Hours	**135-138**

* The required professional education course EDPSYCH 2030 (Dynamics of Human Development) can also count toward the requirements for the UNIFI/General Education Human Condition (Domestic).

** Number of hours determined by declared program area. See appropriate major within Program Requirements section of this catalog for specific requirements.

*** UNIFI/General Education courses may be counted in the 12-hour area of specialization.

Professional Education Requirements

All candidates selecting a Bachelor of Arts-Teaching program are required to take the courses in professional education and a minimum of one departmental methods course. In addition, all candidates must be admitted to the Teacher Education Program.

Students are strongly encouraged to review teacher education admission information on the Teacher Education website https://teachered.uni.edu/.

All students must complete a criminal background check through the CATS Office (319-273-2265; https://teachered.uni.edu/) prior to entering PK-12 school buildings to work with pupils. Teacher candidates will be issued a certificate indicating completion of this background check process that they should carry with them to all field experiences.

SPED 3150	Meeting the Needs of Diverse Learners in Classrooms *	2
LRNTECH 1031	Educational Technology and Design	3
TEACHING 4170/5170	Human Relations: Awareness and Application **	3
TEACHING 2017	Level 1 Field Experience: Exploring Teaching	1
EDPSYCH 2030	Dynamics of Human Development	3
TEACHING 3128	Level 2 Field Experience: Lesson Planning and Instruction ***	1
EDPSYCH 3148	Learning and Motivation in Classroom Contexts	3
MEASRES 3150	Classroom Assessment	2
SOCFOUND 3119	Schools and American Society	3
Student Teaching (course number denotes area in which experience is gained) ‡		**12**
TEACHING 3132	Early Childhood Teaching	
TEACHING 3134	Elementary Teaching	
TEACHING 3135	Special Education Teaching	
TEACHING 3137	Middle School/Junior High Teaching	
TEACHING 3138	Secondary School Teaching	
TEACHING 3139	Vocational/Technical Teaching	
TEACHING 3140	Special Area Teaching: Art, ESL, Music, and Physical Education	
TEACHING 6250	Advanced Laboratory Practice	
Total Hours		**33**

* Prerequisite: EDPSYCH 2030 or equivalent. Course *EDPSYCH 2030* may be used to satisfy the Human Condition: Domestic category of the UNIFI/General Education program.

** Before enrolling in TEACHING 4170/5170, the student must be fully admitted to the Teacher Education Program.

*** Before enrolling in TEACHING 3128, the student must be admitted to the Teacher Education Program.

‡ Before enrolling in Student Teaching, the student must be fully admitted to the Teacher Education Program, have completed Level II and Level III field experiences, meet all GPA requirements, and have earned a grade of C- (1.67) or higher in each Professional Education Sequence course (effective January 1, 2009).

Program admission and completion may include requirements and evaluations/assessments prescribed by the major, the Teacher Education Program, the Iowa Board of Educational Examiners and/or the Iowa Department of Education. Changes resulting from decisions made by the Iowa Board of Educational Examiners and/or the Iowa Department of Education can occur at any time and be binding upon both current and incoming students.

Professional Education Waivers/ Substitutions

1. Technology Education majors will be waived from LRNTECH 1031. A student changing to a different education major from Technology Education may be required to complete LRNTECH 1031, depending upon the new major.
2. Physical Education majors will be waived from MEASRES 3150. A Physical Education major changing to a different education major from Physical Education may be required to complete MEASRES 3150 .
3. Physical Education majors will be waived from SPED 3150. A student changing to a different education major from Physical Education would be required to complete SPED 3150 .
4. Music Education majors will be waived from MEASRES 3150. A student changing to a different education major from Music Education would be required to complete MEASRES 3150 .
5. Music Education majors will be waived from LRNTECH 1031. A student changing to a different education major from Music Education may be required to complete LRNTECH 1031, depending upon the new major.
6. Art Education majors will be waived from LRNTECH 1031. A student changing to a different education major from Art Education may be required to complete LRNTECH 1031, depending upon the new major.
7. Secondary science teaching majors (Science Education, Biology, Chemistry, Earth Science, and Physics) will be waived from .LRNTECH 1031 A student changing to a different education major from Science Education, Biology, Chemistry, Earth Science, and Physics may be required to complete LRNTECH 1031, depending upon the new major.
8. Secondary business education teaching majors will be waived from LRNTECH 1031. A student changing to a different education major from business education may be required to complete LRNTECH 1031, depending upon the new major.
9. Secondary modern language education majors will be waived from LRNTECH 1031. A student changing to a different education major from modern language may be required to complete LRNTECH 1031, depending upon the new major.
10. Secondary mathematics teaching majors will be waived from LRNTECH 1031. A student changing to a different education major from mathematics may be required to complete LRNTECH 1031, depending upon the new major.
11. Teaching English to Speakers of Other Languages (TESOL) teaching majors and TESOL/Modern Language teaching majors will be waived from LRNTECH 1031. A student changing to a different education major from TESOL or TESOL/Modern Languages may be required to complete LRNTECH 1031, depending upon the new major.
12. Early Childhood Education majors will be waived from MEASRES 3150. A student changing to a different education major from Early Childhood Education would be required to complete MEASRES 3150.
13. Physical Education majors will be waived from LRNTECH 1031. A student changing to a different education major from Physical Education may be required to complete LRNTECH 1031, depending upon the new major.

Admission to the Teacher Education Program

To be admitted to the Teacher Education Program, a student must fulfill the following requirements prior to registration for Level II courses:

1. declare a teaching major;
2. have at least a 2.50 cumulative GPA;
3. file an acceptable Application for Admission to Teacher Education (available: SEC 152 or online at https://teachered.uni.edu/;
4. credit for TEACHING 2017 Level 1 Field Experience: Exploring Teaching or the equivalent;
5. demonstrate Acceptable Dispositions (absence of any Notification of Concern)
6. fulfill any additional requirements as prescribed by the Teacher Education Program, the Iowa Board of Educational Examiners, or the Iowa Department of Education.

All teacher education candidates are strongly encouraged to pursue additional opportunities for experience working with children and adolescents throughout their teacher education program through paid employment and/or volunteer activities.

Admission to the Teacher Education Program is a privilege rather than a right. Thus, admission to the Program is not guaranteed to all who apply. Students may appeal the decision to deny admittance to the Teacher Education Program or the decision to place them on academic probation in the Teacher Education Program when the decision is based on extreme circumstances over which the student has no control. In such cases, the student should contact the Director of Educator Preparation to set up an appointment to begin the appeal process.

UNI Teacher Education majors are expected to keep an active e-mail account, using the ____@uni.edu address.

Information concerning fee payments for tests, registration procedures, and test dates are available by contacting:

CATS Office
152 Schindler Education Center (SEC)
UNI
319-273-2265

or

Exam Services
007 Innovative Teaching and Technology Center (ITTC)
UNI
319-273-EXAM (3926)

Field and Clinical Experiences

Student involvement in all of the field and clinical experiences in teacher education is vital to the preparation of the prospective teacher. Observation and participation experiences are provided through specific courses in the Professional Education Sequence and through individual departments offering teaching majors. These experiences

give the student the background needed to make professional course work and student teaching more meaningful.

All students must complete a criminal history background check through the Office of Teacher Education (319-273-2265; https://teachered.uni.edu/) prior to entering PK-12 school buildings to work with pupils. Teacher candidates will be issued a certificate indicating completion of this background check process that they should carry with them to all field experiences.

Student Teaching

Student teaching is a period of guided teaching which is a full semester in length. During this time, the student assumes increasing responsibility for the teaching-learning activities in the classroom. The student receives twelve (12) semester hours of credit for student teaching, evaluated on a credit/no-credit/withdrawal system. Interinstitutional student teachers who enroll at UNI, including those on the Regents' Universities Student Exchange Program, may be evaluated on a graded basis (e.g., A, B, C, D, F) upon written request at the time of application from the Registrar of the home institution.

To be admitted to student teaching, a student must have:

1. FULL admission to the teacher education program;
2. a certificate in *High Risk Behaviors/Substance Abuse*;
3. a cumulative GPA of 2.50 or higher on work at all colleges and universities;
4. a UNI GPA of 2.50 or higher;
5. a 2.50 GPA in the appropriate academic department or department approval;
6. a grade of C- (1.67) or higher in each Professional Education Sequence course and a GPA of 2.50 or higher across all such courses;
7. completion of all methods courses listed as prerequisites for student teaching with a grade of C (2.00) or higher as well as other departmental requirements;
8. Health Education and Physical Education majors and minors are required to have current First Aid and CPR certification prior to student teaching.

The final student teacher assignment is based upon fulfillment of all established requirements stated above, successful completion of Level II and Level III field experiences (and a minimum of 80 contact hours in PK-12 schools), acceptable professional dispositions, and availability of placement.

Exit Requirements

To be recommended for teaching licensure in Iowa, a student who graduates from the UNI Teacher Education Program must satisfactorily complete all courses in the major and/or minor and the teacher education requirements, have an overall GPA of 2.50 and a cumulative UNI GPA of 2.50, submit fingerprint and waiver cards for mandated FBI background checks, and pass additional exit requirements as prescribed by the major, the Teacher Education Program, the Iowa Board of Educational Examiners and/or the Iowa Department of Education. A student not meeting these requirements may graduate but will not receive recommendation for licensure.

As of July 2022, Iowa no longer requires a national exit examination to be recommended for licensure. Therefore, it is also not a requirement at the University of Northern Iowa. However, many other states still hold these national examinations as a licensure requirement. If you plan to teach in another state, you will need to check with that state for their exit examination requirements and procedures.

Progressing Through the Teacher Education Program

This section provides an overview of practices that may delay a student from progressing through the Teacher Education Program in a timely fashion.

Four *Decision Points* are established to mark progression through the Teacher Education Program:

1. admission to the university,
2. admission to the Teacher Education Program,
3. admission to student teaching, and
4. recommendation for licensure.

Professional Education Faculty members, staff, and/or administrators may delay a student in moving through the Decision Points if a student demonstrates deficiencies in meeting course or Program Standards. To correct the deficiencies, faculty, staff, and/or administrators may file a Notification of Concern, indicating how the student can remedy the deficiency. Only after the deficiencies are resolved may the student expect to move forward in the Program and be recommended for a teaching license.

Suspension from the Teacher Education Program

Any student who has one or more unresolved Notifications of Concern indicating significant deficiencies in meeting the standards for the UNI Teacher Education Program may be considered for suspension from the Program. Suspension from the Program is determined by the Teacher Candidate Professional Review Committee and is for a minimum of one calendar year. Only the most extreme circumstances would warrant consideration for re-admission before one calendar year has elapsed. At the time of suspension, students are informed of the conditions and procedures for re-admission to the Program. Students may appeal their suspension from the Teacher Education Program to the appropriate Teacher Education Senate. Should a student believe the Senate made a procedural error during the appeal process, the student may appeal to the Teacher Education Executive Council. Contact the CATS Office, 319-273-2265, or see https://teachered.uni.edu/appeal for more information.

Emergency Suspension: Any student may be suspended *immediately* by the Director of Educator Preparation for extreme, unforeseen circumstances such as endangerment of students, disruption of schools/classes, felonious behaviors, or ethical violations. Such suspensions will be referred to university officials and may become permanent.

Re-admission to the Teacher Education Program

Students wishing to be re-admitted to the Teacher Education Program should seek probationary re-admission according to the following

schedule: apply by February 1 for Summer and Fall probationary re-admission; apply by October 1 for Spring probationary re-admission. Applications are found at the CATS Office (SEC 152).

The decision to re-admit students on a probationary status will be made by the Teacher Candidate Professional Review Committee. Conditions for probationary re-admission are determined on a case-by-case basis by the Committee and in accordance with conditions determined at the time of suspension. Upon successful completion of the probationary period, the Teacher Candidate Professional Review Committee determines conditions for full re-admission and may recommend such to the Teacher Education Executive Council, which makes the final decision.

Suspension for a second time is considered permanent. Only the most extreme circumstances would warrant consideration for re-admission a second time. Consideration of readmission following a second suspension from the teacher education program is determined by the Teacher Education Executive Council.

Majors and Minors - Teaching

Elementary majors may choose a university-approved endorsement minor (refer to Elementary Education Major for possible choices).

Each student preparing to teach in the secondary school or in a special subject will choose a major not later than the beginning of the sophomore year. The student will also select at least one minor if a minor requirement is indicated under the description of the chosen major. Even if not required, a student may select a second major or one or more minors.

Approved majors and minors will be chosen from the fields listed below.

Majors

- Art Education
- Biology
- Business
- Chemistry
- Communication-Theatre
- Comprehensive Secondary Science
- Early Childhood Education
- Earth Science
- Elementary Education
- English
- History
- Mathematics
- Middle Level Education Dual
- Middle Level Science Teaching Dual
- Music Education
- Physical Education
- Physics
- Social Science
- Spanish
- Teaching English to Speakers of Other Languages (TESOL)
- TESOL/Modern Language

Note: There is also the Bachelor of Science in Technology and Engineering Education-Teaching major offered by the Department of Applied Engineering & Technical Management.

Minors

- Art Education
- Basic Science (K-8)
- Biology
- Coaching
- Communication-Theatre
- Early Childhood Education
- Early Childhood Special Education
- Earth Science
- English
- Health Education
- Instructional Strategist l: Mild/Moderate K-8
- Instructional Strategist l: Mild/Moderate 5-12
- Instructional Strategist ll: Mental Disabilities K-12
- Instructional Technology: Educational Technology
- Literacy Education
- Mathematics
- Mathematics (K-8)
- Social Studies (K-8)
- Spanish
- Spanish (K-8)
- STEM Education
- STEM K-8 : 5-8
- Teaching English to Speakers of Other Languages (TESOL)
- Technology Education

Bachelor of Applied Science Degree Program

The purpose of the Bachelor of Applied Science (B.A.S.) degree is to offer educational opportunities to those students who have completed an A.A.S degree and are now seeking to complete a four-year degree. These students are often place-bound and need to take online classes while remaining a full-time employee.

Admission to the Program

Each student entering the program must have earned:

1. an Associate of Applied Science (A.A.S.) degree from an accredited institution; and
2. a minimum 2.00 grade point average; and
3. two years of relevant work experience.

Total Credit Requirements

A total of at least 120 semester hours of credit, including applicable transferable credit earned, is required for graduation. The total must fulfill the following specifications:

1. 24 hours of UNIFI/General Education classes (or 23-24 hours of Liberal Arts Core), as outlined below, of which 9 hours can be transferred in as the Written Communication, Oral Communication, and Quantitative Reasoning UNIFI categories (or LAC 1A, 1B, and 1C if on the Liberal Arts Core);

2. 6 hours of Professional Communication, as outlined below;

3. 21-30 hours of Major coursework, from one of the majors listed below;

4. 0-19 hours of elective credit, for a total of 60 semester hours of credit taken at the University of Northern Iowa.

UNIFI/General Education Requirements for B.A.S. Degree

Students must meet the following undergraduate UNIFI/General Education requirements as specified below.

Summary:	
Written Communication *	3
Oral Communication *	3
Quantitative Reasoning *	3
*BAS Students are permitted to transfer in courses equivalent to the Written Communication, Oral Communication, and Quantitative Reasoning UNIFI categories. No other classes can be applied to fulfill the UNIFI portion of the BAS degree.	
Human Condition - Global	3
Human Condition - Domestic	3
Scientific Reasoning (lab not required)	3
Human Expression	3
Responsibility	3
Total Hours	**24**

Liberal Arts Core Requirements for B.A.S. Degree:

Students must meet the following undergraduate Liberal Arts Core requirements as specified below.

Summary:	
Category 1: Core Competencies in Categories 1A (writing), 1B (speaking), and 1C (math) or transfer equivalencies*	9
*BAS students are permitted to transfer in courses equivalent to Categories 1A, 1B, & 1C. No other classes can be applied to fulfill the LAC portion of the BAS degree.	
Category 2: Civilizations & Cultures (1 course from Category 2A or 2B)	3
Category 3: Fine Arts, Literature, Philosophy & Religion (1 course from Category 3A or 3B)	3
Category 4: Natural Science & Technology (1 course from Category 4A or 4B)	3
Category 5: Social Science (1 course from Category 5A, 5B, or 5C)	3
Category 6: Capstone Experience (1 course)(2-3hours or 1 additional course from BAS LAC Category 2, 3, 4, or 5)	2-3
Total Hours	**23-24**

Professional Communication Required Courses for B.A.S. Degree

Required:		
COMM 3155	Business and Professional Oral Communication	3
ENGLISH 3770	Technical Writing in Applied Sciences	3
Total Hours		**6**

Majors

- Criminal Justice
- Managing Business and Organizations

Bachelor of Fine Arts Degree

The Bachelor of Fine Arts degree is generally recognized as the professional undergraduate degree in the visual arts. Students are required to pass a portfolio review for admission to the B.F.A. program in the Department of Art. Once admitted, students opt for an emphasis in one of the following studio areas in the Department of Art: ceramics, drawing, graphic design, jewelry design and metalsmithing, painting, performance art, photography, printmaking, and sculpture. During their senior year, candidates for this degree are required to present an exhibition of their creative works demonstrating competency in the studio arts. (See Department of Art for detailed information about this program.)

A minimum of 122 semester hours is required to complete the B.F.A. degree. This degree does not provide for licensure to teach; additional hours are necessary to meet licensure requirements.

Bachelor of Fine Arts Degree Curricula

Candidates for the Bachelor of Fine Arts degree will complete the following pattern of work:

Art Major	
UNIFI/General Education	37
Major Requirements/electives	85
B.F.A. Senior Exhibition	0
Total Hours	**122**

Major

Art: Studio B.F.A.

Bachelor of Music Degree

Majors in this degree program have the choice of an educational major or two professional majors. The Music Education major carries licensure to teach music in grades K-8 and 5-12. The Performance major with emphases in voice, piano, organ, and band-orchestral instruments, and the Composition-Theory major are professional programs designed to prepare students for careers as artist-performers

or composers, or for entrance to graduate schools where further excellence in a performance area might be pursued. Students earning the Bachelor of Music degree are prepared as performers, college teachers, and in all areas where a high degree of music or performing skill is required.

Bachelor of Music Degree Curricula

All candidates for the Bachelor of Music degree will complete a pattern similar to the following. A minimum of 120 semester hours is required for the Bachelor of Music degree. However, total hours to graduate may range from 120-148 depending on the major chosen (refer to School of Music in this University Catalog for specific major requirements).

UNIFI/General Education	37
Music requirements (applied, theory, history and literature, conducting, ensembles, recital, composition, electives)	66-80
General electives/professional sequence *	0-36

The following majors are offered on this degree program:

Composition-Theory	79
Music Education (teaching) (66, 67, or 77 hours)	66-77
Performance (voice, piano, organ, band-orchestral instruments)	80

* Music Education majors must also complete the Professional Education Requirements. The minimum semester-hour requirements vary with the specialization chosen. The Music Education major carries licensure to teach in grades K-8 and 5-12.

The approval of the faculty, and the Associate Director of Undergraduate Music Programs of the School of Music must be secured before a student is admitted formally to this degree program. All students who have been admitted to the school and wish to pursue a music major curriculum must undertake a common core of required courses during the freshman year. During the second semester of the freshman year, an extensive evaluation of each music major will be conducted. In addition to the entrance audition required of all students who intend to major in music, transfer students are required to take a placement exam in music theory or start with level l in Theory, Aural Training, and Sight Singing. The music faculty will evaluate the performance in these areas to determine School of Music admissibility for each transfer student.

Participation in a Large Ensemble such as band, chorus, orchestra, and other ensembles, is required of all degree students every semester in residence.

(Refer to the School of Music in this University Catalog for additional information.)

Majors

- Composition-Theory
- Music Education
- Performance

Bachelor of Science Degree Curricula

The Bachelor of Science degree should be elected by those students who are preparing for careers in areas where effective application of knowledge and training requires a higher degree of concentration in advanced-level course work.

Effective with the 2023-24 catalog, a minimum of 120 semester hours is a graduation requirement for the Bachelor of Science degree.

Requirements include:

1. A minimum of 56 hours in the program, including at least 36 hours in the subject area;
2. The completion of an undergraduate research course carrying a minimum of 1 semester hour of credit. This course will result in the completion of a written report, conference presentation, or other scholarly product;
3. Completion of all other University requirements.

Bachelor of Social Work Degree Curricula

The Bachelor of Social Work degree requires a minimum of 120 hours. The Social Work Department at the University of Northern Iowa is accredited by the Council on Social Work Education. The undergraduate social work major prepares students for beginning level professional social work practice. The program defines the generalist perspective on practice as "Multidimensional theory, knowledge, and skills used to understand and intervene into diverse human systems in keeping with social work values and ethics." The program contributes to the liberal arts, general education of university students who are not social work majors. Finally, it affords social work students the opportunity to explore advanced methodologies and fields of practice within social work through occasional advanced elective offerings. Practical experience is an important emphasis in this department. Every senior does an internship in a social agency working with clients and supervised by a practicing social worker.

Bachelor of Liberal Studies Degree

The Bachelor of Liberal Studies (B.L.S.) program is offered by the three Iowa Regents' Universities: University of Northern Iowa, Iowa State University, and the University of Iowa. The purpose of the B.L.S. is to offer educational opportunities to those students who are unable to attend college as full-time, on-campus students. Students often use guided independent study and other distance learning opportunities to earn credit. **This major may not be declared with any other major.**

Admission to the Program

Each student entering the program must have earned:

1. an Associate of Arts degree from an accredited, two-year college, or at least 24 semester hours of college credit acceptable toward graduation at UNI;
2. a minimum 2.00 grade point average.

Total Credit Requirements

A total of at least 120 semester hours of credit, including transferable credit earned, is required for graduation. The total must fulfill the following specifications:

1. 45 semester hours of credit earned at four-year colleges in courses defined as upper-level at the colleges in which courses are taken. At the University of Northern Iowa, upper-level courses are those numbered 3000/4000-level and above;
2. at least 30 hours of credit earned in the junior and/or senior years in courses at UNI. This total may include nonresidence credit.

UNIFI/General Education Requirements

Students must meet the basic undergraduate core requirements as specified and determined by the policies of the degree-granting institution.

Program Distribution Requirements

To ensure sufficient breadth of study, each student's program must include, in addition to the credit used to fulfill the UNIFI/General Education requirements previously stated, a minimum of 12 semester hours of credit in each of the three (3) areas selected from the following list. Of the total 36 semester hours of credit applied to fulfill this requirement, 24 semester hours must be in upper-level credits as defined by the institution in which the courses are taken, with at least 6 semester hours of upper-level credits in each of the three areas chosen.

1. Humanities
2. Communications and Arts
3. Natural Sciences and Mathematics
4. Social Sciences
5. Professional fields (such as business, applied human sciences, social work, and education)

Information and details regarding admission to the B.L.S. program, evaluation of prior academic work, program advising, and declaration of major may be obtained from:

Continuing and Distance Education
CEEE, 010

Students may also call the B.L.S. advisor at 1-800-772-1746 or 319-273-2504.

Students are also encouraged to visit the B.L.S. website online.uni.edu/bls.

Change of Degree Program

Students who change from one degree program to another will be held for all specific requirements of the program on which they expect to graduate. There will be little difficulty in making such a change if it is made not later than the beginning of the junior year. However, if the change is made later than that, there is no assurance that the student will be able to complete the work required for graduation within a four-year period.

University of Northern Iowa Foundational Inquiry (UNIFI)/ General Education

Students admitted to the University for the Summer 2022 term or later will follow the UNI Foundational Inquiry (UNIFI)/General Education requirements.

The university's mission affirms that a general or liberal arts education is an essential component of every undergraduate's experience at UNI. In keeping with the tradition of liberal learning, the UNI Foundational Inquiry (UNIFI) program emphasizes skills, knowledge, and habits of mind that prepare students for success in an uncertain future, laying a firm foundation so that they can lead fulfilling personal, professional, and civic lives.

UNIFI is designed to be a flexible program that evolves over time to address the issues we face in a complex and ever-changing world, but its foundational principles are firmly rooted in liberal education. As the Association of American Colleges and Universities explains, "A liberal education is a liberating education in that it frees the mind to seek after the truth unencumbered by dogma, ideology, or preconceived notions. A liberally educated person can think for himself or herself, is both broad- and open-minded, and is, therefore, less susceptible to manipulation or prejudice." UNI approaches liberal learning with this understanding in mind. By developing intellectual and practical skills of inquiry and analysis, critical and creative thinking, written and oral communication, collaboration and problem solving, ethical and scientific reasoning, students are prepared to play a role in shaping our shared world through democratic processes, to make responsible choices, and to understand that individual goals are always pursued in the context of the human and natural worlds in which we are embedded and on which we all depend for meaning and sustenance.

(AACU, "What Liberal Education Looks Like: What It Is, Who It's For, & Where It Happens," 2020)

Requirements of UNIFI/General Education

(For all Bachelor's degrees - for UNIFI/General Education minimum hours and requirements for the Bachelor of Applied Science (B.A.S.) degree, refer to Bachelor of Applied Science degree in this section.)

Summary (minimum 37 hours for all students, with the exception of those pursuing B.A.S. degree).

Written Communication	3
Oral Communication	3
Quantitative Reasoning	3
Human Condition-Domestic	3
Human Condition-Global	3
Scientific Reasoning (with lab)	4
Human Expression	3
Responsibility	3
Connect *	12
Total Hours	**37**

* Students have the option to pursue a nine-twelve hour Multidisciplinary Certificate, listed below, to satisfy the Connect requirement. Students must still earn 12 hours to satisfy the Connect requirement.

Engage (Skills)

Written Communication

Courses in the Written Communication learning area are designed to enhance foundational communication skills and habits of mind necessary for success at UNI and beyond. In addition to the processes of reading, researching, writing, and revising, written communication courses enable students to develop critical thinking skills.

Select one of the following		3
ENGLISH 1005	College Writing and Research	
ENGLISH 2015	Introduction to Writing Studies	
ENGLISH 2120	Critical Writing About Literature	
PHIL 1050	The Art of Critical Thinking and Writing	
UNIV 1000 & UNIV 1010	First-Year Cornerstone: Integrated Communication I and First-Year Cornerstone: Integrated Communication II (Both UNIV 1000 & UNIV 1010 must be taken to meet UNIFI Written and Oral Communication requirements)	

Oral Communication

Courses in the Oral Communication learning area are designed to enhance foundational communication skills and knowledge necessary for success at UNI and beyond. Oral communication courses also teach active listening, as well as how to engage in civil discourse, especially in diverse groups.

Select one of the following		3
COMM 1000	Oral Communication	
UNIV 1000 & UNIV 1010	First-Year Cornerstone: Integrated Communication I and First-Year Cornerstone: Integrated Communication II (Both UNIV 1000 & UNIV 1010 must be taken to meet UNIFI Written and Oral Communication requirements)	

Quantitative Reasoning

Courses in the Quantitative Reasoning learning area encompass any discipline that uses quantitative methods or formal logic, with an emphasis on courses that demonstrate how such methods can be used to explain reality and achieve meaning. Because these courses address both quantitative reasoning and critical thinking, they locate mathematical skills and reasoning in a context of explaining or solving complex problems.

Select one of the following		3
ECON 1031	Introduction to Business Economics	
ECON 1041	Principles of Macroeconomics	
FIN 1040	Financial Skills for Smart Living	
MATH 1100	Mathematics in Decision Making	
MATH 1160	Calling Hogwash: Mathematics for Critical Thinking	
MATH 1204	Mathematical Reasoning	
MATH 1420	Calculus I	
PHIL 1030	Elementary Logic	
SOC SCI 2020	Social Sciences Statistics	
STAT 1772	Introduction to Statistical Methods	

Discover (Knowledge)

Human Condition-Domestic

Courses in the Human Condition-Domestic learning area enlarge students' understanding of the many possible meanings of being human by urging them to branch out beyond their own specific background, enabling them to think about their experience from that broadened perspective. This learning area includes courses from a very wide range of disciplines with a focus on the United States.

Select one of the following		3
ANTH 2003	People of the Great Lakes	
COMM 2456	Communication and Popular Culture	
COMM DM 1611	Media and Power	
CRIM 2152	Crime and Community	
EDPSYCH 2030	Dynamics of Human Development	
ENGLISH 2420	Survey of American Literature	
ENGLISH 2520	Multicultural Literature	
FAM SERV 1010	Human Identity and Relationships	
FAM SERV 1020	Family Relationships	
FAM SERV 1140	Exploring Family Diversity in America	
HIST 1110	United States History to the Civil War and Emancipation	
HIST 1120	United States History since the Civil War and Emancipation	
MIL SCI 3190	America's Military Past	
PH 2520	Maternal and Infant Health	
POL AMER 1014	Power & Politics in the U.S.	
POL GEN 1020	Political Problems in the U.S.: (topic)	
PSYCH 1001	Introduction to Psychology	
RELS 1060	American Religious Diversity	
SOC 1000	Introduction to Sociology	
SOC 1060	Social Problems	

SOC 2075	The Self in Social Context
SW 2045	American Racial and Minoritized Populations
TESOL 2015	Language Today

Human Condition-Global

Courses in the Human Condition-Global learning area enlarge students' understanding of the many possible meanings of being human by urging them to branch out beyond their own specific background, enabling them to think about their experience from that broadened perspective. This learning area includes courses from a very wide range of disciplines with global or international focus.

Select one of the following		3
ANTH 1002	Introduction to Cultural Anthropology	
ANTH 2300	World Prehistory and the Rise of Civilizations	
ANTH 3010	Climate Change, Human Migration and Conflict	
ANTH 3500	Slavery and Human Trafficking	
ARTHIST 1111	Survey of Art History I	
ARTHIST 1222	Survey of Art History II	
BUSINESS 2100	Global Skills	
ENGLISH 2320	Survey of English Literature I: Beginnings to Early Modernity	
ENGLISH 2340	Survey of English Literature II: Romantics to Post-Colonialism	
ENGLISH 3148	The Holocaust in Literature and Film	
ENGLISH 3162	Ireland: Literature, Culture, History	
GEOG 1110	Global Geography	
GEOG 1120	Peoples, Cultures, and Environments	
HIST 1210	Making the Modern World	
HIST 3210	Problems & Perspectives in Global History: (Topic)	
LANG 2020	Constructing Cross-Cultural Bridges	
PHIL 1080	World Philosophies	
PHIL/RELS 3110	Perspectives on Death and Dying	
POL INTL 1024	International Relations	
POL GEN 1041	Global Challenges: (Topic)	
RELS 1020	Religions of the World	
SOC 1070	Introduction to Human Rights	
SOC 2040	Social Movements	
SOCFOUND 2015	Perspectives on Education	
SW 1041	Global Social Work	
TESOL 3565	Intercultural Perspectives	
UNIV 3003	Study Abroad: (Topic)	
WGS 1040	Women's and Gender Studies: Introduction	
WGS 2040	Introduction to LGBTQ Studies	
WGS 2050	Masculine Cultures	

Scientific Reasoning (with Lab)

Courses in the Scientific Reasoning learning area focus on discerning basic principles that explain natural phenomena through observation and analysis of the world. Students learn how scientists rely on theory and experimentation to test and refine understandings of our human minds and bodies, life on earth, and the physical universe. Laboratory courses unite hands-on scientific experimentation, inductive reasoning, and deductive analysis with the study of basic principles. After completing a course in this learning area, students will be able to critique claims using the tools of scientific inquiry.

Select one of the following		4
ANTH 1001 & ANTH 1003	Bones & Stones: The Science of Human Origins and Bones & Stones: The Science of Human Origins Laboratory	
ANTH 2005 & ANTH 2006	Archaeology for Beginners and Archaeology for Beginners Laboratory	
BIOL 1012 & BIOL 1013	Life: The Natural World and Life: The Natural World - Lab	
BIOL 1014 & BIOL 1015	Life: Continuity and Change and Life: Continuity and Change - Lab	
BIOL 2051	General Biology: Organismal Diversity	
BIOL 2052	General Biology: Cell Structure and Function	
CHEM 1010	Principles of Chemistry	
CHEM 1020	Chemical Technology	
CHEM 1110	General Chemistry I	
CHEM 1130	General Chemistry I-II	
EARTHSCI 1100 & EARTHSCI 1110	Astronomy and Astronomy Laboratory	
EARTHSCI 1200 & EARTHSCI 1210	Elements of Weather and Elements of Weather Laboratory	
EARTHSCI 1300	Introduction to Geology	
EARTHSCI 1400 & EARTHSCI 1405	Introduction to Environmental Earth Science and Environmental Earth Science Laboratory	
GEOG 1210 & GEOG 1211	Planet Earth and Planet Earth Laboratory	
PHYSICS 1000 & PHYSICS 1010	Physics in Everyday Life and Physics in Everyday Life Laboratory	
PHYSICS 1511	General Physics I	
PHYSICS 1701	Physics I for Science and Engineering	
SCI ED 1100	Inquiry into Earth and Space Science	

SCI ED 1200	Inquiry into Life Science
SCI ED 1300	Inquiry into Physical Science

Human Expression

Courses in the Human Expression learning area include the creation as well as the analysis or interpretation of creative works in the arts. Students engage in a creative process to produce artistic work, and interpret creative works and ideas as expressions of meaning and purpose.

Select one of the following		3
ART 1002	Visual Inventions	
ARTHIST 1004	Visual Perceptions	
CHIN 1050	Introduction to Chinese Literature	
COMM 3455	Storytelling and Identity	
COMM DM 1630	Start a Podcast	
ENGLISH 1120	Literature: (topic)	
ENGLISH 2700	Elements of Creative Writing	
FAM SERV 1210	The Creative Experience	
FREN 3004	Introduction to Literature in French	
HIST 2011	Engaging Sources: (Topic)	
MUSIC 1100	Soundscapes: Music in Culture	
RELS 1040	The Power of Myth: (Topic)	
SPAN 3004	Introduction to Hispanic Literature	
THEATRE 1000	Theatre in Our World	
THEATRE 1005	Acting for Non-Majors	

Responsibility

Courses in the Responsibility learning area give students the opportunity to develop skills in ethical reasoning, gaining a greater understanding of their personal responsibilities and their roles as citizens. The learning area aims to enable students to move beyond ideological reactions to questions that require careful normative judgment. It does not aim to instill in students a particular moral code, but to help them develop the habits of reasoning based on consistent principles, and judging based on evidence and logic, which they will need as citizens in charge of creating our shared world.

Select one of the following		3
BUSINESS 3159: The Ethics of Global Leadership, Cross-Cultural Negotiations, and Sustainability		
CHEM 1012	Matter Matters	
COMM 3236	Ethics in Communication	
EARTHSCI 3336	Natural Resources and Civilizations	
ECON 1001	Economics of Social Issues	
ENGLISH 1059: Law and Literature		
ENTR 1010	Overview of Entrepreneurship	
HIST 3110	Conflict and Justice in History: (Topic)	
PH 1101	Introduction to Public Health	
PHIL 1040	Justice and the Good Life: Philosophical Perspectives	
PHIL 1560	Science, Technology, and Ethics (STE)	
PHIL/RELS 3510	Bio-Medical Ethics	
RELS 3500	Religion and Ethics	
RTNL 2130	Foundations of the Nonprofit Sector	
SOCFOUND 2274	Democracy and Education in the 21st Century	
TECH 1015	Introduction to Sustainability	

Connect

Connect

Select 12 hours from any Engage or Discover UNIFI category *	12

* Students have the option to pursue a nine-twelve hour Multidisciplinary Certificate, listed below, to satisfy the Connect requirement. Students must still earn 12 hours to satisfy the Connect requirement.

Multidisciplinary Certificates

The following certificates are available to any UNI student, and can be used to satisfy the Connect requirement of the UNIFI/General Education program. Students must still earn 12 hours to satisfy the Connect requirement.

Career Success in Organizations Certificate

No matter their major, all UNI students will work within some form of an organization during their careers. Whether a for-purpose, for-profit, or governmental entity, knowledge of factors that influence how organizations operate helps employees more effectively contribute to the mission of the organization. The purpose of this certificate is to provide a broad understanding of organizations including factors that influence decision making, levels of responsibility, data and written/unwritten rules that govern operations, and professional expectations for communicating and interacting within the organization.

Decision-making in Organizations

Complete one of the following:		3
ECON 1031	Introduction to Business Economics	
ECON 1041	Principles of Macroeconomics	
POL AMER 1048	Current and Emerging Issues in Public Administration	
POL AMER 3153	Leadership and Management in Public Service	
PSYCH 3304	Work Psychology: Well-Being	
PSYCH 3305	Work Psychology: Performance	

Responsibility in Organizations

Complete one of the following:		3
ECON 1001	Economics of Social Issues	
FIN 1040	Financial Skills for Smart Living	
ENTR 1010	Overview of Entrepreneurship	
POL AMER 3172	Public Budgeting	

Numbers in Organizations		
Complete one of the following:		3
MGMT 2080	Introduction to Information Systems	
CS 1025	Modern Tools for Exploring Data	
ACCT 2120	Principles of Financial Accounting	
Communication in Organizations		
Complete one of the following:		3
ENGLISH 2770	Introduction to Workplace Writing	
MGMT 2113	Business Communication	
Total Hours		**12**

Creative Expression and Meaning Certificate

Required:		
MUSIC 1100	Soundscapes: Music in Culture	3
Complete one of the following:		3
ARTHIST 1004	Visual Perceptions	
or ART 1002	Visual Inventions	
Complete one of the following:		3
ENGLISH 1120	Literature: (topic)	
or ENGLISH 2700	Elements of Creative Writing	
Complete one of the following:		3
THEATRE 1000	Theatre in Our World	
or THEATRE 1005	Acting for Non-Majors	
Total Hours		**12**

Critical Thinking and Information Literacy Certificate

Complete one of the following:		3
PSYCH 3310	Psychology of Science and Pseudoscience	
PHIL 3360	Intellectual Vices and Virtues: Theory and Practice	
Complete one of the following:		3
MATH 1160	Calling Hogwash: Mathematics for Critical Thinking	
PHIL 1030	Elementary Logic	
Complete one of the following:		3
LIBRARY 2100	Question Everything: Navigating Information Overload	
POL GEN 1060	B.S. Detection	
Total Hours		**9**

Data Science Certificate

This certificate provide students with the necessary skills to be able to appropriately identify data, analyze and visualize data, and communicate conclusions in quantitative and qualitative domains.

Applied Tools		
Complete one of the following:		3
STAT 1780	Introduction to Data Science	
CS 1170	Introductory Programming for Data Science	
Social Issues		
Complete one of the following:		3
PHIL 1560	Science, Technology, and Ethics (STE)	
MATH 1000	Exploring Social Justice Issues through Mathematics	
Information Literacy		
Complete one of the following:		3
POL GEN 1060	B.S. Detection	
LIBRARY 2100	Question Everything: Navigating Information Overload	
Statistics		
Complete one of the following:		3
STAT 1772	Introduction to Statistical Methods	
SOC SCI 2020	Social Sciences Statistics	
Total Hours		**12**

Developmental Considerations Certificate

Required:		
Foundations		
Complete one of the following:		3
CSD 3100	Language Acquisition in Children: Birth to 5 Years	
EDPSYCH 2030	Dynamics of Human Development	
FAM SERV 1055	Human Growth and Development	
PSYCH 2202	Developmental Psychology	
Movement and Physical Growth		
Complete one of the following:		3
KINES 2056	Motor Learning and Development	
or KINES 2062	Developmental Trends in Physical Activity & Sport	
Systems and Health		
Complete one of the following:		3
PH 2520	Maternal and Infant Health	
or SW 3175	Child Welfare Policy and Practice	
Total Hours		**9**

Diversity, Equity, and Inclusion Certificate

The purpose of this certificate is for students to explore topics related to diversity, equity, and inclusion (DEI) from a variety of different content areas. Students will get an opportunity to critique complex social issues from a variety of lenses; including mathematics/science, gender, religion, history, communication, and/or politics. Students will develop a deeper understanding of a variety of perspectives related to DEI, including critically analyzing social justice issues; debating

and understanding the values and ethics related to diverse groups, perspectives, and/or societies; learning about and discussing their own and/or others' identities; and delve into more global sociocultural issues related to different aspects of culture.

Critical Perspectives on Diversity, Equity, and Inclusion		
Complete one of the following:		3
EARTHSCI 3336	Natural Resources and Civilizations	
MATH 1000	Exploring Social Justice Issues through Mathematics	
POL INTL 1024	International Relations	
POL AMER 1014	Power & Politics in the U.S.	
RELS 1020	Religions of the World	
RELS 1060	American Religious Diversity	
WGS 1040	Women's and Gender Studies: Introduction	
Ethical Perspectives on Diversity, Equity, and Inclusion		
Complete one of the following:		3
ECON 1001	Economics of Social Issues	
PHIL 1040	Justice and the Good Life: Philosophical Perspectives	
COMM 3236	Ethics in Communication	
HIST 3110	Conflict and Justice in History: (Topic)	
Perspectives on Identity		
Complete one of the following:		3
PH 2520	Maternal and Infant Health	
COMM 3455	Storytelling and Identity	
WGS 2040	Introduction to LGBTQ Studies	
ENGLISH 2520	Multicultural Literature	
WGS 2050	Masculine Cultures	
Sociocultural Perspectives on Diversity, Equity, and Inclusion		
Complete one of the following:		3
ANTH 1002	Introduction to Cultural Anthropology	
GEOG 1120	Peoples, Cultures, and Environments	
HIST 1110	United States History to the Civil War and Emancipation	
HIST 1120	United States History since the Civil War and Emancipation	
HIST 3210	Problems & Perspectives in Global History: (Topic)	
SW 1041	Global Social Work	
Total Hours		**12**

East Asia Certificate

Emphasizing primarily China and Japan but with some coverage of Korea and Vietnam, the East Asia Certificate introduces material to students from the perspective of four very different academic disciplines, with an emphasis on both East Asian diversity and cultural commonalities

Complete one of the following:		3
CHIN 1050	Introduction to Chinese Literature	
HIST 3210	Problems & Perspectives in Global History: (Topic) (Identity, Diversity, and Commonality in East Asia)	
Complete one of the following:		3
HIST 3210	Problems & Perspectives in Global History: (Topic) (Becoming Familiar with East Asia - Japan as Example and Exception)	
HIST 3210	Problems & Perspectives in Global History: (Topic) (One Thousand Years of Samurai)	
Complete one of the following:		3
CHIN 1060	Introduction to Chinese Culture: (Topic)	
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	
Total Hours		**9**

Innovation in Leadership Certificate

The Innovation in Leadership Certificate focuses on the intersection of business, nonprofit, and government to recognize the strengths and weaknesses of each, leading to creating shared value partnerships to develop innovative responses to solving complex system problems.

Entrepreneurial Fundamentals		
Required:		3
ENTR 2010	Financials for the Entrepreneurial Enterprise	
Foundations of the Nonprofit Sector		
Required:		3
RTNL 2130	Foundations of the Nonprofit Sector	
Current and Emerging Issues in Public Administration		
Complete one of the following:		3
POL AMER 1048	Current and Emerging Issues in Public Administration	
POL AMER 3153	Leadership and Management in Public Service	
Nonprofit Leadership		
Required:		2
RTNL 2210	Nonprofit Leadership Practicum, Level I	
Total Hours		**11**

Sustainability Certificate

Required:		
TECH 1015	Introduction to Sustainability	3

Complete one of the following:		3-4
BIOL 1012 & BIOL 1013	Life: The Natural World and Life: The Natural World - Lab	
BIOL 1014 & BIOL 1015	Life: Continuity and Change and Life: Continuity and Change - Lab	
EARTHSCI 1400	Introduction to Environmental Earth Science	
GEOG 2250	Nature-Society Relations	
PHYSICS 1000	Physics in Everyday Life	
Complete one of the following:		3
EARTHSCI 3336	Natural Resources and Civilizations	
ECON 1001	Economics of Social Issues	
HIST 3110	Conflict and Justice in History: (Topic)	
PHIL 1560	Science, Technology, and Ethics (STE)	
Total Hours		**9-10**

THRIVE! Certificate

Required:

Physical Domain		
Complete one of the following:		3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	
or PH 1101	Introduction to Public Health	
Social Domain		
Complete one of the following:		3
ECON 1001	Economics of Social Issues	
or FAM SERV 1010	Human Identity and Relationships	
Mental Domain		
Complete one of the following:		3
PSYCH 2403	The Science and Experience of Human Flourishing	
or SW 3143	Self-Care and Stress Management in Helping Professions	
Financial Domain		
Complete one of the following:		3
ENTR 2010	Financials for the Entrepreneurial Enterprise	
or FIN 1040	Financial Skills for Smart Living	
Total Hours		**12**

United States Studies Certificate

Students taking the United States Studies Certificate will analyze the diverse experiences and values of the people of the United States and investigate solutions to over-arching problems such as climate change and social inequities.

Complete one of the following:		3
RELS 1060	American Religious Diversity	
POL AMER 1014	Power & Politics in the U.S.	
Complete one of the following:		3
ENGLISH 2420	Survey of American Literature	
HIST 1110	United States History to the Civil War and Emancipation	
HIST 1120	United States History since the Civil War and Emancipation	
Complete one of the following:		3
ENGLISH 2520	Multicultural Literature	
MIL SCI 3190	America's Military Past	
Total Hours		**9**

Administrative Policies:

1. UNIFI/General Education courses may be used to satisfy requirements for both the UNIFI program and the major, minor, and program emphases.
2. Departments offering a UNIFI/General Education course may preclude their major or minor students from taking that particular course to satisfy the requirements for UNIFI/General Education, the major, or the minor.
3. UNIFI/General Education requirements can be met through CLEP examinations, departmental examinations, and the Advanced Placement Program of the College Entrance Examination Board.
4. No UNIFI/General Education course may be taken for graduate credit.
5. No UNIFI/General Education course may have a prerequisite with the exception of demonstrated language or math proficiency for placement purposes.
6. All courses taken to meet UNIFI/General Education requirements must be taken for graded credit.
7. An Associate of Arts (AA) or an Associate of Science (AS) degree from any accredited institution of higher education shall be accepted to meet all UNIFI/General Education program requirements.
8. The UNIFI/General Education requirements apply to all undergraduate degree programs.
9. Regents Articulation Agreement:

The University of Northern Iowa, the College of Liberal Arts at the University of Iowa, and the College of Liberal Arts and Sciences at Iowa State University agree to accept fulfillment of general education at any one of them as equivalent to completion of general education requirements at another, with the following stipulations:

1. This agreement does not apply to those students who transfer without having fully completed general education prior to transfer.
2. Validation of fulfillment of general education requirements requires that a student transferring must have met the transfer requirements of the receiving institution with respect to semester hours and grade point average.
3. When a foreign language proficiency is required, whether within or in addition to general education, a student may meet this requirement at either institution regardless of the institution whose general education requirements the student fulfills.
4. General education validation is the responsibility of the student transferring and will be completed upon request to the Registrar of the institution from which the student is transferring.

Liberal Arts Core

As stated in the University of Northern Iowa mission statement, the university's undergraduate programs are founded on a strong liberal arts curriculum. The liberal arts experience in the Liberal Arts Core exposes students to the broad areas of knowledge embodied in the whole of the environment and liberates students to further develop the knowledge, skills, and values necessary to live thoughtful, creative, and productive lives. The American Association of Colleges and Universities' "Statement on Liberal Learning" reflects the purposes of UNI's Liberal Arts Core:

A truly liberal education is one that prepares us to live responsible, productive, and creative lives in a dramatically changing world. It is an education that fosters a well-grounded intellectual resilience, a disposition toward lifelong learning, and an acceptance of responsibility for the ethical consequences of our ideas and actions. Liberal education requires that we understand the foundations of knowledge and inquiry about nature, culture and society; that we master core skills of perception, analysis, and expression; that we cultivate a respect for truth; that we recognize the importance of historical and cultural context; and that we explore connections among formal learning, citizenship, and service to our communities.

We experience the benefits of liberal learning by pursuing intellectual work that is honest, challenging, and significant, and by preparing ourselves to use knowledge and power in responsible ways. Liberal learning is not confined to particular fields of study. What matters in liberal education is substantial content, rigorous methodology and an active engagement with the societal, ethical, and practical implications of our learning. The spirit and value of liberal learning are equally relevant to all forms of higher education and to all students.

Because liberal learning aims to free us from the constraints of ignorance, sectarianism, and short-sightedness, it prizes curiosity and seeks to expand the boundaries of human knowledge. By its nature, therefore, liberal learning is global and pluralistic. It embraces the diversity of ideas and experiences that characterize the social, natural, and intellectual world. To acknowledge such diversity in all its forms is both an intellectual commitment and a social responsibility, for nothing, less will equip us to understand our world and to pursue fruitful lives.

The ability to think, to learn, and to express oneself both rigorously and creatively, the capacity to understand ideas and issues in context, the commitment to live in society, and the yearning for truth are fundamental features of our humanity. In centering education upon these qualities, liberal learning is society's best investment in our shared future.

(The Association of American Colleges and Universities' "Statement on Liberal Learning," 1999)

Requirements of the Liberal Arts Core*

(For all Bachelor's degrees - for Liberal Arts Core minimum hours and requirements for the Bachelor of Applied Science (B.A.S.) degree, refer to Bachelor of Applied Science degree in this section.)

Summary (minimum 44 hours* for all students, with the exception of those pursuing B.A.S. degree).

Category 1: Core Competencies *	11
Category 2: Civilizations and Cultures	9
Category 3: Fine Arts, Literature, Philosophy and Religion	6
Category 4: Natural Science and Technology	7
Category 5: Social Science	9
Category 6: Capstone Experience	2
Total Hours	**44**

* For students admitted to UNI prior to Fall 1994, the Speaking and Listening course included in the Core Competencies category is not required.

Courses

Category 1: Core Competencies 11 hours

Courses in written and oral communication enhance students' abilities to read and listen critically and to write and speak effectively by attention to how the gathering, analyzing, and presenting of evidence and conclusions can be designed for specific purposes and audiences. Courses in quantitative techniques enhance students' abilities to use quantitative data effectively and to apply relevant mathematical and statistical concepts and methods to diverse problems and situations. Personal wellness promotes the acquisition of knowledge and the development of skills and attitudes necessary for implementing positive health-related decisions.

A. Reading and Writing		**3**
Select one of the following:		
UNIV 1000 & UNIV 1010	First-Year Cornerstone: Integrated Communication I and First-Year Cornerstone: Integrated Communication II (Both UNIV 1000 & UNIV 1010 must be taken to meet LAC Category 1A & 1B.) *	
ENGLISH 1005	College Writing and Research **	
ENGLISH 2015	Introduction to Writing Studies ***	
ENGLISH 2120	Critical Writing About Literature ^	
B. Speaking and Listening		**3**
UNIV 1000 & UNIV 1010	First-Year Cornerstone: Integrated Communication I and First-Year Cornerstone: Integrated Communication II (Both UNIV 1000 & UNIV 1010 must be taken to meet LAC Category 1A & 1B.) *	
or		
COMM 1000	Oral Communication	
C. Quantitative Techniques and Understanding #		**3**
Select one of the following:		
CS 1025	Modern Tools for Exploring Data	
MATH 1100	Mathematics in Decision Making	

MATH 1420	Calculus I	
STAT 1772	Introduction to Statistical Methods	
STAT 1774	Introductory Statistics for Life Sciences	
Elementary Education students may meet the Category 1C requirement by completing MATH 1204.		
D. Dimensions of Wellbeing		**2**
KAHHS 1020	Dimensions of Wellbeing Lecture	
KAHHS 1030	Dimensions of Wellbeing Lab	
Total Hours		**11**

* These two courses will be taught in a 2-semester sequence, and a student must successfully complete both UNIV 1000 and UNIV 1010 in their first year of college, or it will not apply to Category 1A/1B credit.

** ENGLISH 1005 recommended for students with ACT English and Reading scores of 18-26.

*** ENGLISH 2015 has prerequisite of combined ACT English and Reading scores of 54 or higher.

^ ENGLISH 2120 recommended for English majors and minors with prerequisite of ACT English and Reading scores of 54 or higher.

Satisfactory score on ALEKS exam or subsequent remediation.

Category 2: Civilizations and Cultures 9 hours

Courses in this category promote an understanding of Western and non-Western cultures and civilizations from ancient times to the present through historical accounts, literatures, philosophies, religions, and fine arts. Using methods of critical inquiry, students explore aspects of human nature, the shaping of thoughts and values, and their interrelations.

A. Humanities		**6**
HUM 1021	Humanities I: The Ancient, Classical, and Medieval Worlds	
HUM 1022	Humanities II: The Renaissance, Reformation, and Enlightenment	
HUM 1023	Humanities III: The Age of Revolution to the Present	
B. Non-Western Cultures		**3**
HUM 3121	Russia/Soviet Union	
HUM 3122	Japan	
HUM 3123	Latin America	
HUM 3124	China	
HUM 3125	India	
HUM 3127	Middle East	
HUM 3128	Africa	
HUM/ANTH 3132	Native North America	
HUM/ANTH 3137	Native Central and South America	
SPAN 3020 may substitute for the non-Western Cultures requirement.		
Total Hours		**9**

* SPAN 3020 may substitute for the Non-Western Cultures requirement.

Category 3: Fine Arts, Literature, Philosophy and Religion 6 hours

Courses in this category explore diverse forms of human expression and enhance understanding of how religious, philosophical, literary, and aesthetic ideas and experiences shape and reflect cultures and common patterns of human life. Students will develop knowledge of the complex interplay of culture, history, and human experience through critical examination of ideas and beliefs, ritual and symbol, moral codes and social values, story and poetry, visual art, music, theater, and dance.

A. Fine Arts *		**3**
PEMES 2034	Survey of Dance History	
THEATRE 1002	The Theatrical Arts and Society	
MUSIC 1100	Soundscapes: Music in Culture	
ART 1002	Visual Inventions	
ARTHIST 1004	Visual Perceptions	
ARTHIST 1111 or ARTHIST 1222 may substitute for the Fine Arts requirement for all art and graphic design majors.		
MUS HIST 1020 may substitute for the Fine Arts requirement for all music majors.		
THEATRE 3060 may substitute for the Fine Arts requirement for all theatre majors.		
B. Literature, Philosophy, or Religion		**3**
ENGLISH 1120	Literature: (topic)	
RELS 1020	Religions of the World	
PHIL 1020	Philosophy: The Art of Thinking	
GER 1120	Introduction to German Literature in Translation	
Total Hours		**6**

Category 4: Natural Science and Technology 7 hours

Courses in natural science promote an understanding of science as a human process that investigates matter and energy acting within complex organic and inorganic systems. Fundamental principles of both physical and life sciences are included.

Students are required to take a course with a scheduled laboratory from either Life Sciences or Physical Sciences or another laboratory course offered by the College Humanities, Arts and Sciences. Only 6 hours are required for students who meet the Liberal Arts Core laboratory requirement with a course other than one listed in Life or Physical Sciences.

A. Life Sciences		**3-4**
Select one of the following:		

ANTH 1001	Bones & Stones: The Science of Human Origins	
BIOL 1012	Life: The Natural World	
BIOL 1013	Life: The Natural World - Lab *	
BIOL 1014	Life: Continuity and Change	
BIOL 1015	Life: Continuity and Change - Lab *	
The following major and/or minor courses can substitute for the Life Sciences requirement:		
BIOL 1033	Principles of Microbiology *	
BIOL 2051	General Biology: Organismal Diversity *	
BIOL 2052	General Biology: Cell Structure and Function *	
BIOL 3101	Anatomy and Physiology I *	
SCI ED 1200	Inquiry into Life Science *	
B. Physical Sciences		**3**
Select one of the following:		
CHEM 1010	Principles of Chemistry *	
CHEM 1011	Molecules and Life *	
EARTHSCI 1100	Astronomy	
EARTHSCI 1110	Astronomy Laboratory *	
EARTHSCI 1200	Elements of Weather	
EARTHSCI 1210	Elements of Weather Laboratory *	
EARTHSCI 1300	Introduction to Geology *	
GEOG 1210	Planet Earth	
GEOG 1211	Planet Earth Laboratory *	
PHYSICS 1000	Physics in Everyday Life	
PHYSICS 1010	Physics in Everyday Life Laboratory *	
TECH 1015	Introduction to Sustainability	
The following major and/or minor courses can substitute for the Physical Sciences requirement:		
CHEM 1020	Chemical Technology *	
CHEM 1110	General Chemistry I *	
CHEM 1130	General Chemistry I-II *	
PHYSICS 1511	General Physics I *	
PHYSICS 1701	Physics I for Science and Engineering *	
SCI ED 1100	Inquiry into Earth and Space Science *	
SCI ED 1300	Inquiry into Physical Science *	
Total hours		7

* Lab Course.

Category 5: Social Science 9 hours

Courses in this category introduce students to the description and analysis of human behavior from different vantage points, ranging from the societal, cultural, and historical to the institutional and individual perspectives. There is also a focus on broadening one's understanding of diversity and global issues. In this category, students are exposed to a variety of social science disciplines, and learn how these fields study and analyze human attitudes, behaviors, and relationships.

Required: one course from group A, one course from group B, and one course from group C.

A. Group A Sociocultural and Historical Perspectives		**3**
ANTH 1002	Introduction to Cultural Anthropology	
GEOG 1120	Peoples, Cultures, and Environments	
HIST 1023	History of the United States	
SOC 1000	Introduction to Sociology	
WGS 1040	Women's and Gender Studies: Introduction	
B. Group B Individual and Institutional Perspectives		**3**
ECON 1031	Introduction to Business Economics *	
FAM SERV 1010	Human Identity and Relationships	
POL AMER 1014	Power & Politics in the U.S.	
PSYCH 1001	Introduction to Psychology	
C. Group C Diversity and Global Issues		**3**
EDPSYCH 2030	Dynamics of Human Development	
GEOG 1110	Global Geography	
POL GEN 1020	Political Problems in the U.S.: (topic)	
POL INTL 1024	International Relations	
SOC 1060	Social Problems	
SOC SCI 1020	Women, Men, and Society	
SW/SOC SCI 1041	Global Social Work	
SW 2045/ SOC SCI 1045	American Racial and Minoritized Populations	
Total Hours		**9**

* Satisfactory completion of both ECON 1041 and ECON 1051 may substitute for ECON 1031.

Category 6: Capstone Experience 2 hours

Capstone courses provide opportunities for students to synthesize the diverse realms of thought they have studied and to apply the intellectual proficiencies they have acquired. The emphasis is on cultivating life-long learning through linking theory and academic preparation to practical problem-solving activities in multidisciplinary seminars or community-based learning courses.

Prerequisite: junior standing.

The most current list of approved Liberal Arts Core Capstone courses is available in each semester’s Schedule of Classes. Also visit the website www.uni.edu/lac.

Administrative Policies:

1. Liberal Arts Core courses may be used to satisfy requirements for both the Liberal Arts Core and the major, minor, and program emphases.
2. Departments offering a Liberal Arts Core course may preclude their major or minor students from taking that particular course to satisfy the requirements for the Liberal Arts Core, the major, or the minor.
3. Liberal Arts Core requirements can be met through CLEP examinations, departmental examinations, and the Advanced Placement Program of the College Entrance Examination Board. A student who receives CLEP credit in both the physical and biological sciences shall be considered to have fulfilled the laboratory requirement.
4. No Liberal Arts Core course may be taken for graduate credit.
5. No Liberal Arts Core course may have a non-Liberal Arts Core course as a prerequisite.
6. All courses taken to meet Liberal Arts Core requirements must be taken for graded credit.
7. The Associate of Arts degree from Iowa community colleges shall continue to be accepted, according to an approved articulation agreement, to meet most Liberal Arts Core requirements.
8. The Liberal Arts Core requirements apply to all undergraduate degree programs.
9. Regents Articulation Agreement:
   The University of Northern Iowa, the College of Liberal Arts at the University of Iowa, and the College of Liberal Arts and Sciences at Iowa State University agree to accept fulfillment of the Liberal Arts Core at any one of them as equivalent to completion of Liberal Arts Core requirements at another, with the following stipulations:
   a. This agreement does not apply to those students who transfer without having fully completed the Liberal Arts Core prior to transfer.
   b. Validation of fulfillment of Liberal Arts Core requirements requires that a student transferring must have met the transfer requirements of the receiving institution with respect to semester hours and grade point average.
   c. When a foreign language proficiency, a capstone course, and/or a course in foreign culture is required, whether within or in addition to the Liberal Arts Core, a student may meet this requirement at either institution regardless of the institution whose Liberal Arts Core requirements the student fulfills.
   d. Liberal Arts Core validation is the responsibility of the student transferring and will be completed upon request to the Registrar of the institution from which the student is transferring.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For further information concerning requirements for these certificates see specific departmental listings, or consult with the department listed or the Office of the Registrar, which serves as the centralized registry.

Some of the certificates are interdisciplinary and involve several departments; however, only one department or college has been listed as the contact.

Program certificates now available include:

Department of Art

- Museum Studies (also listed in Department of History)

Department of Applied Engineering & Technical Management

- Technology Management

Department of Computer Science

- Computer Science
- Computer Science Education

Department of Communication and Media

- Communication Education and Training (graduate certificate)
- Communication, Community, and Public Advocacy
- Conflict Resolution
- Organizational Communication and Inclusive Leadership
- Organizational Communication and Training
- Performance, Rhetoric, and Advocacy (graduate certificate)
- Public Relations in Entertainment
- Strategic Communication (graduate certificate)
- Visual Communication and Digital Media (graduate certificate)

Department of Curriculum and Instruction

- Education of the Gifted
- Learning Technology Facilitator
- Advanced Studies Certificate Literacy Coach
- Advanced Studies Certificate Reading Recovery Teacher Leader

Department of Economics

- Health Care Administration for Business Majors
- Health Care Administration for Non-Business Majors

Department of Educational Psychology, Foundations, and Leadership Studies

- Advanced Studies Certificate in Educational Leadership
  - Emphasis: Principalship
  - Emphasis: Superintendency Preparation Program
- Schooling & the Future of Education

Department of Family, Aging & Counseling

- Advanced Studies Certificate: Clinical Mental Health Counseling

Department of Finance

- Commercial Banking
- Financial and Real Estate Sales for Business Majors (also listed in Department of Marketing and Entrepreneurship)
- Financial Analysis (graduate certificate)

Department of Geography

- Crime Mapping and Analysis (joint coordination with Department of Sociology, Anthropology, and Criminology)
- Geographic Information Systems (GIS) and Cartography
- Unmanned Aerial Systems

Department of History

- Museum Studies (also listed in Department of Art)
- Public History

Department of Health, Recreation and Community Services

- Nonprofit Leadership
- Outdoor Recreation
- Tourism
- Youth Work in Religious Settings (also listed in Department of Philosophy and World Religions)

Department of Kinesiology & Athletic Training

- Adapted Physical Education (graduate certificate)
- Corporate Fitness
- Exercise Science for Health Professionals

Department of Languages and Literatures

- Chinese Studies
- French Language Studies
- Hispanic Cultures
- International Commerce
- Linguistic Studies
- Literary Publishing
- Post-Colonial and Multicultural Literary Studies
- Spanish Language Studies
- Spanish For Special Purposes
- Teaching English to Speakers of Other Languages (TESOL)

Department of Marketing and Entrepreneurship

- Entrepreneurship
- Entrepreneurship (graduate certificate)
- Financial and Real Estate Sales for Business Majors (also listed in Department of Finance)
- Global Marketing (graduate certificate)

Department of Mathematics

- Statistical Computing

School of Music

- Artist Diploma (I)
- Artist Diploma (II)

Department of Nursing & Public Health

- Health Care Administration for Business Majors (also listed in College of Business and Department of Economics)
- Health Care Administration for Non-Business Majors (also listed in College of Business and Department of Economics)
- Community Nutrition
- Environmental Health
- Global Health and Humanitarian Assistance
- Health and Social Services
- Women's Health

Department of Philosophy and World Religions

- Youth Work in Religious Settings

Department of Physics

- Physics Teaching

Department of Political Science

- International Peace and Security
- Public Personnel & Human Resources
- State and Local Government

Department of Psychology

- Military Psychology
- Work Psychology

Department of Social Work

- Addictions Treatment
- Child Welfare

Department of Sociology, Anthropology, and Criminology

- Crime Mapping and Analysis (joint coordination with Department of Geography)
- Sociology of Family and Life Course
- Sociology of Gender and Culture
- Sociology of Health and Development
- Sociology of Inequality and Inclusion
- Sociology of Race/Ethnicity and Immigration

Department of Special Education

- Inclusive Education
- Special Education Instructional Coaching

College of Business

- Business Administration (graduate certificate)
- International Business, Culture, and Language

College of Social and Behavioral Sciences

- Graduate Certificate in Women's and Gender Studies

Interdisciplinary

- Applied Business Concepts (Continuing Education and Special Programs)
- Sustainability

Undergraduate Studies

- Career Success in Organizations (UNIFI)
- Creative Expression and Meaning (UNIFI)
- Critical Thinking and Information Literacy (UNIFI)
- Data Science (UNIFI)

- Developmental Considerations (UNIFI)
- Diversity, Equity, and Inclusion (UNIFI)
- East Asia (UNIFI)
- Innovation in Leadership (UNIFI)
- Sustainability (UNIFI)
- THRIVE! (UNIFI)
- United States Studies (UNIFI)

Requirements for Graduation

In addition to the completion of one of the baccalaureate degree programs, there are other specific requirements for graduation which apply to all undergraduate students seeking any bachelor's degree, other than the Bachelor of Liberal Studies and Cooperative Programs. These are listed below. The acceptance and use of transfer credit are subject to limitations in accordance with existing educational policies of the University of Northern Iowa - refer to *Transfer Credit Practices* listed in the *Admission Requirements* section of this catalog. Refer to Graduate Degree Requirements for graduation requirements for a graduate degree program.

A. Residence

1. At least 32 hours of credit earned in the junior and senior years in courses at this university.

B. Scholarship

1. A student seeking the bachelor's degree with licensure to teach must successfully complete student teaching and achieve a cumulative grade index in all course work attempted, at this university and elsewhere, of at least 2.50 to be recommended for graduation. The student must also achieve a cumulative grade index of 2.50 on all work attempted at the University of Northern Iowa.
2. A student seeking the bachelor's degree (without licensure) must achieve a cumulative grade index in all work attempted, at this university and elsewhere, of at least 2.00 to be recommended for graduation; the student must also achieve a cumulative grade index of 2.00 on all work attempted at the University of Northern Iowa.

Note: *A student may be held by their academic department to specific grade point requirements, for the major work and/or graduation, which are higher than the grade point requirements for all university students. Students are advised to refer to the requirements for their specific major.*

C. Communication

Competence in reading, speaking, and writing is required of all candidates seeking degrees or university recommendations for licensure. All students who enter UNI with or after the Fall 1988 semester who are candidates for baccalaureate degrees are required to demonstrate competence in writing by passing the UNIFI/General Education writing course and meeting the writing requirements for their academic major.

D. Foreign Language Competency Requirement

Students entering UNI who graduated from high school in 1989 or later are required to demonstrate a level of competence in a foreign language (classical or modern) equivalent to the second semester at the college level. One year of foreign language in high school is considered to be equivalent to one semester of foreign language at the university.

The foreign language competency requirement can be satisfied using credit in the following ways:

1. satisfactory* completion of two years of high school study in one foreign language;
2. satisfactory* completion of a combination of high school and college credit in one language equivalent to the second semester at the college level;
3. satisfactory performance in an achievement examination measuring proficiency equivalent to the second semester of college study in one foreign language.
4. satisfactory* completion of either two years of high school study or one year of college credit or the combined equivalent in American Sign Language (ASL). Study in any other language and culture for the hearing impaired will not automatically satisfy this graduation requirement.

* Satisfactory completion means a minimum grade of C- in the last course taken to meet this requirement.

The following UNI course sequences will satisfy the foreign language competency requirement:

- ASL 3190 American Sign Language (ASL) I & ASL 3195 American Sign Language (ASL) II
- CHIN 1001 Elementary Chinese I & CHIN 1002 Elementary Chinese II
- FREN 1001 Introduction to French Language and Culture I & FREN 1002 Introduction to French Language and Culture II
- SPAN 1001 Elementary Spanish I & SPAN 1002 Elementary Spanish II

Additional language credit options may be offered, or be transferred to meet this UNI requirement.

E. Advanced Courses

At least 10 hours of work in a major in courses numbered 3000/4000-level and taken at this university.

F. Maximum Credit by Examination

A maximum of 32 semester hours of credit earned by examination or by open credit is applicable toward degree requirements. This includes credit earned by CLEP, by departmental examination, by Advanced Placement, and credit established by examination of other colleges and universities.

G. Listing of Candidates for Graduation

A student may be listed as a candidate for graduation at the end of a semester if the completion of work for which the student is registered would meet all the requirements for graduation exclusive of grade points, and if the grade points to be earned do not exceed the number which could be earned for the hours for which the student is registered.

H. Application for Graduation

A student who expects to be graduated at the end of a semester must complete a graduation application at the opening of that semester. This application can be accessed through MyUniverse-Student Center and upon completion is filed with the Office of the Registrar.

I. Second Baccalaureate Degree (After First Baccalaureate Conferred)

A student may pursue a second baccalaureate degree after a first baccalaureate degree has been conferred. To receive a second baccalaureate degree after first baccalaureate degree has been conferred, a student must meet the requirements for the second degree (including A. *Residence, B. Scholarship, E. Advanced Courses, F. Maximum Credit by Examination, G. Listing of Candidates for Graduation, and H. Application for Graduation* designated above), and earning a minimum of 32 hours of "new" credit at UNI.

For example: After evaluation of college transcript, student still needs 20 specified hours of coursework in the major to meet the requirements for that major. Student will need to earn from UNI, the 20 hours for the major (including 10 hours of upper level coursework), plus an additional 12 hours of new credit to meet the minimum 32 hours of credit required for a second baccalaureate degree.

J. Two Concurrent Degrees

A student may pursue two *different* baccalaureate degrees concurrently. To receive two different degrees concurrently (i.e., B.A/B.S., B.A./B.Music), a student must meet all the requirements for both degrees, (including A. *Residence, B. Scholarship, C. Communication, D. Foreign Language Requirement, E. Advanced Courses, F. Maximum Credit by Examination, G. Listing of Candidates for Graduation, and H. Application for Graduation* designated above).

The university does not grant two of the *same* degrees concurrently, including the Bachelor of Arts degree-Liberal Arts and the Bachelor of Arts degree-Teaching program.

A student may have a double major, one in Teaching and one in Liberal Arts, but the Teaching major must be declared as the first major and the B.A. Teaching degree will be the degree conferred, since the teaching degree has the higher grade index requirement.

Additional Requirements for the Baccalaureate Teaching Program

1. For the completion of any undergraduate curriculum the student must earn a minimum of twelve (12) semester hours of credit in student teaching at this university, except that an undergraduate student with three (3) or more semester hours of credit in student teaching earned at the same level in another college or university may be released from four (4) hours of student teaching at this institution.
2. Not more than twelve (12) hours of credit in student teaching may be used toward the hours required for graduation.
3. One year in advance of the time a student plans to enroll in student teaching, the student will be invited to attend a Student Teaching Roundup during which the student will complete the necessary steps to apply to student teach and to receive a student teaching assignment. To be eligible for assignment to a student teaching placement, the student must have completed the following requirements:
   a. FULL admission to the teacher education program;
   b. certificate in *High Risk Behaviors/Substance Abuse*;
   c. a cumulative GPA of 2.50 or higher on work at all colleges and universities;
   d. a UNI GPA of 2.50 or higher;
   e. a 2.50 GPA in the appropriate academic department or department approval;
   f. a grade of C- (1.67) or higher in each Professional Education Sequence course, effective January 1, 2009, and a GPA of 2.50 or higher across all such courses;
   g. completed all methods courses listed as prerequisites for student teaching with a grade of C (2.00) or higher as well as other departmental requirements;
   h. Health Education and Physical Education majors and minors are required to have current First Aid and CPR certification prior to student teaching.

The final student teacher assignment is based upon fulfillment of all established requirements as stated above, successful completion of Level l, Level II and Level III field experiences (minimum of 80 clock hours in PK-12 school settings), acceptable professional dispositions, and availability of placement.

Teaching Licensure

Teaching licenses are issued by state departments of education and are valid only in the state of issue. A college or university recommendation is required for issuance of a license.

Students in the UNI Teacher Education program must meet requirements for an Iowa teaching license if they are to be recommended for licensure from the University of Northern Iowa. At graduation they are eligible for the Initial License, valid for a period of two years for the kind of service indicated by the endorsement on the license; e.g., elementary and early childhood teaching, secondary teaching in content areas, or teaching in a special area such as art or music. The student usually can secure appropriate licensure in other states by making proper application and fulfilling any additional requirements.

In addition to holding a license valid for a specific teaching level, the secondary teacher must also have ENDORSEMENT in each subject to be taught. Endorsements are issued by the Iowa Department of Education on the recommendation of an institution. To secure the recommendation of the University of Northern Iowa, the student must meet the requirements for a teaching major or a teaching minor

(or equivalent) in the subject. Exceptions are made only with the authorization of the university department offering the major or minor.

This university may recommend for licensure those graduates of other colleges or universities who have completed their professional education sequence courses here. However, this is a discretionary matter and the university will expect such students to demonstrate excellence of scholarship and meet standards required of its own graduates. Such students must have earned at least 20 hours of residence credit and at least 12 semester hours must be in the area for which endorsement is requested.

Program completion may include evaluations/assessments prescribed by the major, the Teacher Education Program, the Iowa Board of Educational Examiners, and/or the Iowa Department of Education.

For additional information, contact:

Office of the Registrar
University of Northern Iowa
Cedar Falls, IA 50614-0006

Students will need to work directly with the Iowa Board of Educational Examiners (BOEE) for an evaluation, sending transcripts, and recommendation for the following endorsements. UNI does not complete the recommendation for the following endorsements.

- 105 K-8 Psychology
- 106 PK-3 Teacher, PK-3 Classroom
- 107 PK-12 Talented and Gifted
- 110 K-8 Home Economics-General
- 111 K-8 Typewriting/Keyboarding
- 112 5-12 Agriculture
- 115 5-12 Business-General
- 116 5-12 Business-Office
- 117 5-12 Business-Marketing/Management
- 118 Driver and Safety Education
- 121 K-8 Chinese
- 122 5-12 Chinese
- 123 K-8 French
- 124 5-12 French
- 125 K-8 German
- 126 5-12 German
- 127 K-8 Japanese
- 128 5-12 Japanese
- 129 K-8 Latin
- 130 5-12 Latin
- 131 K-8 Russian
- 132 5-12 Russian
- 135 K-8 Language (other)
- 136 5-12 Language (other)
- 139 5-12 Family and Consumer Sciences - General
- 141 5-12 Journalism
- 154 5-12 General Science
- 155 5-12 Physical Science
- 162 K-8 History
- 167 K-8 Speech Communications/Theatre
- 169 PK-8 Principal
- 170 5-12 Principal
- 175 PK-12 School Nurse
- 176 K-12 Reading Specialist
- 177 K-8 Norwegian
- 178 5-12 Norwegian
- 179 K-8 Italian
- 180 5-12 Italian
- 181 K-12 American Sign Language
- 182 5-8 Middle School Generalist
- 183 Evaluator Approval
- 184 5-8 All Science
- 187 K-8 Portuguese
- 188 9-12 Portuguese
- 198 K-8 Mildly Disabled
- 199 5-12 Mildly Disabled
- 200 PK-K Behavioral Disorders
- 201 K-8 Behavioral Disorders
- 202 5-12 Behavioral Disorders
- 203 PK-K Mental Disabilities Mild/Moderate
- 204 K-8 Mental Disabilities Mild/Moderate
- 205 5-12 Mental Disabilities Mild/Moderate
- 206 PK-K Mental Disabilities: Moderate/Severe/Profound
- 207 K-12 Mental Disabilities: Moderate/Severe/Profound
- 208 K-8 Learning Disabilities
- 209 5-12 Learning Disabilities
- 210 PK-K Physically Handicapped
- 211 K-8 Physically Handicapped
- 212 5-12 Physically Handicapped
- 213 PK-K Hearing Impaired
- 214 K-8 Hearing Impaired
- 215 5-12 Hearing Impaired
- 216 Hearing Impaired Itinerant
- 217 PK-K Visually Impaired
- 218 K-8 Visually Impaired
- 219 5-12 Visually Impaired
- 220 Visually Impaired Itinerant
- 221 K-8 Multicategorical Resource Mild
- 222 5-12 Multicategorical Resource Mild
- 223 PK-K Early Child Special Education
- 224 PK-K Multicategorical Special Class with Integration

- 225 K-8 Multicategorical Special Class with Integration
- 226 5-12 Multicategorical Special Class with Integration
- 227 Speech/Language Teacher
- 228 K-8 Multicategorical Resource - option 2
- 229 5-12 Multicategorical Resource - option 2
- 230 Itinerant Hospital/Home Services
- 231 Special Education Media Specialist
- 232 PK-K Supervisor Special Education /Early Childhood
- 233 K-12 Supervisor Special Education /Instruction
- 234 5-12 Work Experience Coordinator
- 235 B-21 School Audiologist
- 239 Director Special Education
- 240 B-21 School Social Worker
- 241 Ages 5-21 Consultant: Mental Disabilities
- 242 Ages 5-21 Consultant: Behavioral Disorders
- 243 Ages 5-21 Consultant: Learning Disabilities
- 244 Ages 5-21 Consultant: Physically Handicapped
- 245 Ages 5-21 Consultant: Hearing Impaired
- 246 Ages 5-21 Consultant: Visually Impaired
- 247 Birth-6 Consultant: Early Childhood Special Education
- 248 Ages 5-21 Consultant: Multicategorical Resource
- 249 Ages 5-21 Consultant: Multicategorical Resource-Special Cla
- 251 PK-K Educational Strategist
- 252 K-8 Educational Strategist
- 253 5-12 Educational Strategist
- 254 Supervisor-School Audiologist
- 255 Supervisor-School Psychologist
- 256 Supervisor-School Social Worker
- 257 Supervisor Speech/Lang Pathologist
- 258 Professional Service Administrator
- 263 K-12 Instructional Strategist II: BD/LD
- 265 K-12 Instructional Strategist II: Physically Handicapped
- 266 Birth-21 Deaf or Hard of Hearing
- 267 Birth-21 Visually Impaired
- 280 5-12 Physiology
- 299 5-12 General Health Occupations
- 300 5-12 Agriscience/Agribusiness
- 301 5-12 Marketing/Distributive Education
- 302 5-12 Office Education
- 303 5-12 Consumer/Homemaking Education
- 304 5-12 Occupational Family and Consumer Science
- 305 5-12 Multioccupations
- 306 5-12 Health Occupations
- 973 School Business Official
- 974 5-12 Engineering
- 977 K-12 STEM Specialist
- 978 Content Area Specialist
- 979 SAM Authorization
- 1181 Authorized for driving instruction not classroom
- 1201 5 - 12 Language Arts - All
- 1421 5-8 Algebra for H.S. Credit
- 1751 PK-12 School Nurse
- 2404 Physical Therapist
- 2405 Occupational Therapist
- 2406 Special Education Nurse
- 2407 Orientation and Mobility Specialist

Board of Educational Examiners
Grimes State Office Building
400 E. 14th St.
Des Moines, Iowa 50319-0147
Website: www.boee.iowa.gov

Hours of Credit Needed to Renew or Reinstate a License

Renewal and reinstatement requirements are established by the Iowa State Board of Educational Examiners and are subject to change by that body at any time. The Bureau of Practitioner Preparation and Development of the Department of Education distributes information concerning all changes in licensure requirements to city superintendents and to the teacher-education institutions. Information concerning the renewal or reinstatement requirements may be obtained from the:

Board of Educational Examiners
Grimes State Office Building
400 E. 14th St.
Des Moines, Iowa 50319-0147
Website: www.boee.iowa.gov

Graduate Information, Admission, Academic Regulations, and Degree Requirements

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www.grad.uni.edu

The University of Northern Iowa offers thirteen advanced programs leading to graduate degrees in:

- Master of Accounting
- Master of Arts
- Master of Arts in Education
- Master of Athletic Training
- Master of Business Administration
- Master of Music

- Master of Public Policy
- Master of Science
- Master of Social Work
- Professional Science Master's
- Specialist in Education
- Doctor of Education

The University of Northern Iowa is a member of the Council of Graduate Schools in the United States and continues its endeavors to meet the needs of higher education and advanced preparation in diverse career fields with a strong and growing graduate program. Graduate degree programs were initiated at UNI in 1951 when the university was authorized by the Board of Regents, State of Iowa to offer a program of graduate work leading to the **Master of Arts in Education** (M.A.E.); the program began with the summer session of 1952. In 1960 the graduate program was extended with the addition of a sixth-year program leading to the **Specialist in Education** (Ed.S.) degree. The addition of the **Doctor of Education** (Ed.D.) program, approved by the Board of Regents, State of Iowa in 1982, enables UNI to offer a complete course of professional preparation for the educational practitioner. Three intensive study areas are available through this Doctor of Education degree program: allied health, recreation, and community services; curriculum and instruction; and educational leadership.

In recognition of a more general need for advanced study, the university further expanded the graduate program in 1965 with the addition of the **Master of Arts** (M.A.) degree. This program is open to students who plan to pursue careers in fields other than education and is available, as well, to students interested in doing advanced work in teaching fields - elementary, secondary, and college level.

The addition of the **Master of Business Administration** (M.B.A.) degree in 1975, the **Master of Music** (M.M.) degree in 1976, the **Master of Public Policy** (M.P.P.) degree in 1991, the **Master of Science** (M.S.) degree in Fall 1993, the **Master of Social Work** (M.S.W.) degree and the **Master of Accounting** (MAcc) degree in Fall 2000, the **Professional Science Master's** (P.S.M.) degree in Fall 2006, and the **Master of Athletic Training** (M.ATR.) degree in Fall 2016 demonstrates the university's continued recognition of the changing needs of higher education and the institution's desire to meet those needs. The **Master of Business Administration** degree is open to those whose career interests include management of organizations and people, in both the for-profit and not-for-profit sectors. It is best suited to those who have work experience after the undergraduate degree. The **Master of Music** is a professional degree designed for the student planning a career in college or secondary school teaching, for a performance career as a professional musician or composer, or for further study at the doctoral level. The **Master of Public Policy** is an interdisciplinary professional degree preparing students for careers principally in the public sector. The program is structured to accommodate both full-time students and those already in positions in public organizations. The **Master of Science** degree is offered in Athletic Training, Biology, and Technology and is designed to prepare students for positions in those areas. The **Master of Social Work** degree is designed to prepare students for the advanced practice of social work in a variety of public and non-profit settings. The **Master of Accounting** degree is designed for Accounting majors; however, other majors within the College of Business may be admitted to the program. The **Professional Science Master's** degree combines scientific or technical training with abbreviated business training and interdisciplinary cohort-building experiences. The **Master of Athletic Training** degree is designed to prepare students to become athletic training professionals. It prepares students for the National Athletic Training Board of Certification Examination as well as eligibility for an Athletic Training License in the State of Iowa. The curriculum is based upon cognitive and psychomotor learning experiences. The athletic training education program is accredited by the Commission on the Accreditation of Athletic Training Education (CAATE).

Graduate majors are available in many departments, and graduate-level courses are offered by all departments of the university.

Those who wish to continue their professional and cultural growth without fulfilling the requirements for a graduate degree may do so in non-degree status if they satisfy the requirements for admission to graduate study or seek admission to graduate certificates.

Post-Baccalaureate, Undergraduate Study

A student who has received a bachelor's degree may choose to apply for further study at the University of Northern Iowa as an undergraduate rather than a graduate student. Inquiries should be made to the Office of Admissions. Undergraduate status will be accorded students who seek:

1. a second baccalaureate degree (designation as senior,) or
2. teacher licensure (designation as senior) - a student who does not hold a teaching license and expects to be recommended by this university for an initial teaching license or student adding new endorsement(s) through UNI recommendation must also file an official transcript; this program requires the completion of a minimum of 12 semester hours at UNI before recommendation to the Board of Educational Examiners; or
3. courses for undergraduate credit (designation as unclassified)

Students with baccalaureate degrees do not earn graduate credit while in Post-baccalauareate Undergraduate status only. They must be admitted either to graduate Degree or Non-Degree Status before they can receive graduate credit for their course work (courses numbered 5000 or above). A student who is working toward a second bachelor's degree or teacher licensure and is also admitted as a graduate student will pay graduate tuition for the entire enrollment if any of the enrollment is for graduate credit. No course can apply to both a bachelor's degree and a graduate degree. See "Students enrolled for both graduate and undergraduate credit in the same term" in this university catalog for further information.

Retroactive granting of graduate credit for course work taken while in post-baccalaureate, undergraduate status will not be done if, when the course work was taken, the student received financial aid dependent on undergraduate status. If an undergraduate course can be taken at the 5000-level for graduate credit, extra work is required from graduate students to earn the graduate credit. This extra work cannot be completed after the course ends to change the course to graduate credit.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual

has completed a certificate program approved by the university. For further information concerning specific requirements for these certificates see specific departmental listings, or consult with the department listed or the Office of the Registrar.

Licensure and Endorsements

Licensure

For approval in some graduate programs, a student must have earned or be eligible for teacher licensure or its equivalent endorsed in an area appropriate to the graduate major. For information on licensure, consult the Office of the Registrar. Students seeking licensure will need to consult the Registrar's Office for further guidance, and submit an undergraduate, post-baccalaureate application (see Post-baccalaureate, Undergraduate Study in this university catalog).

Teaching Licensure and Endorsements

Students interested in securing licenses to teach in another state should secure information directly from the State Department of Education in that state.

Addresses of different state departments may be obtained from Career Services or the Office of the Registrar.

Admission to Graduate Study

(This section applies to all students taking graduate courses at the University of Northern Iowa after receiving the bachelor's degree.)

The admission procedures of the Graduate College are administered separately from those of the university's undergraduate program. Prospective students may apply for graduate admission under one of two categories: **Degree Status** (regular admission) or **Non-Degree Status**. Each category carries specific regulations. Information and the online application for admission are available at https://admissions.uni.edu/apply. The completed Application for Admission to Graduate Study should be submitted online. International students should contact the Office of Admissions at intladm.uni.edu or by phone 319-273-2281 or by fax 319-273-2885.

Admission to graduate study does not guarantee admission to an advanced degree program. Responsibility for determining eligibility for admission to graduate degree programs rests primarily with the academic departments. The academic departments are responsible for evaluating degree applications for admission, but the Graduate College has final authority on the admission decision for students (with or without provisions).

A graduate of a college or university accredited by the North Central Association of Colleges and Secondary Schools or a corresponding regional agency, or a graduate of a foreign institution recognized by that country's Ministry of Education, is eligible to be considered for regular admission to graduate study. A graduate of a college or university that is not accredited may be granted regular admission with provisions at the discretion of the Dean of the Graduate College.

If applicants wish to have graduate level **transfer courses** considered for their graduate degree at UNI, official transcripts must be submitted to the UNI Office of Admissions at the time of admission to graduate study. Courses will not be evaluated for transfer credit eligibility until the student is in attendance at UNI. For UNI policies on eligible transfer courses see **Program of Study** in this catalog. Transfer credit is not processed for students in non-degree status at UNI.

Note: *Students with a recognized baccalaureate degree who are seeking a second baccalaureate degree, teaching endorsements or approvals through UNI recommendation, and/or miscellaneous undergraduate course work may be admitted through the undergraduate Office of Admissions. These students pay undergraduate fees and may not take graduate courses unless also admitted to graduate study. See Post-Baccalaureate, Undergraduate Study in this university catalog.*

English Proficiency

Applicants whose first language is not English must submit either a TOEFL, IELTS, or Duolingo score. English language proficiency test scores are considered valid for a period of 2 years prior to the date of submission of the admission application. The requirement to submit a TOEFL, IELTS, or Duolingo score may be waived only by the Graduate College through a direct request from a graduate program (not from a prospective student). A typical circumstance in which a waiver may be granted is that the student has completed a bachelor's or graduate degree at an international accredited English-speaking institution. No waiver will be approved without evidence of English proficiency. English language proficiency is automatically waived for students who are from a native English speaking country.

A TOEFL score of at least 550 (paper) / 79 (internet) or an IELTS score of at least 6.5, or a Duolingo score of 105 is required for *regular admission without provisions and eligibility to enroll in graduate courses*. Some graduate programs may require higher test scores; no program may admit a student without provisions with a lower score. **To be eligible to be considered for admission with provisions in either degree or non-degree graduate status, a TOEFL score of at least 453 (paper) / 46 (internet) or an IELTS score of at least 5.5, or a Duolingo score of at least 75 is required. TOEFL *MyBest scores* are accepted and must meet the above criteria.**

A regularly admitted student with provisions for low TOEFL/IELTS/Duolingo must meet the standards for admission without provisions within three semesters of undergraduate enrollment at UNI, and prior to the start of the graduate program. This may be done in two ways: 1) by achieving a score of at least 550 (paper/79 (internet) on the TOEFL or of at least 6.5 on the IELTS, or at least 105 on Duolingo. (The institutional TOEFL (offered 3 times per year) may be used to meet this requirement.); or, 2) by successfully completing the Culture and Intensive Program (CIEP) with at least a B (3.0) in **all level 5 CIEP courses**. If the admitted student fails to obtain the score, or successfully complete CIEP as necessary for admission without provisions within three semesters of undergraduate study, admission to graduate study is void.

In exceptional cases, with the approval of the Department, CIEP, and the Graduate College, an admitted graduate student with a language requirement provision may be allowed to enroll in a graduate course while completing the English language requirement at UNI (only while enrolled in Level 5 CIEP courses). In this case, the student may enroll in up to 3 credit hours per semester and not exceed 6 graduate hours in total within an academic year. Upon approval from the Department and CIEP, the student will need to submit an online graduate request "Other" to enroll in the course and obtain the approval from the Graduate College. The Graduate College will work

with International Admissions and CIEP to modify the related holds in order to allow for enrollment.

If the language requirement is not met within the first academic year of graduate study, admission to graduate study is void.

Note: *Students with a recognized baccalaureate degree who are seeking a second baccalaureate degree, teaching endorsements or approvals through UNI recommendation, and/or miscellaneous undergraduate course work may be admitted through the undergraduate Office of Admissions. These students pay undergraduate fees and may not take graduate courses unless also admitted to graduate study. See Post-Baccalaureate, Undergraduate Study in this university catalog.*

Application Dates

Applications for Regular admission (Degree-Status) and all credentials required for admission should be on file in the Office of Admissions at least one month before departmental review. Students must contact the academic department regarding application review deadlines.

International students should note the special application deadlines at intladm.uni.edu.

Applicants for Non-Degree Status will be accepted up to five days before the start of the term.

Requirements for Admission to Degree Status

The admission process for **Degree Status** begins when the application for admission and all supporting documents and fees have been received in the Office of Admissions. **U.S. and international students who are seeking financial assistance and wish to receive the fullest consideration must submit a completed application (please see following requirements) by February 1.** ***Many graduate departments have earlier deadlines, which are indicated in their department materials. All departmental materials should be reviewed carefully for information about early deadlines.***

U.S. students must submit the following to the Office of Admissions for the admission file to be considered complete: the Application for Admission to Graduate Study; the application fee; official transcripts from the college or university granting the baccalaureate degree and any other colleges or universities attended after earning the bachelor’s degree, if other than the University of Northern Iowa; any required test scores (GRE, GMAT, TOEFL, IELTS, or Duolingo—if the native language is not English), and any other application materials required by the graduate program (departmental application, letters of reference, goal statement, etc.). U.S. students should upload all materials (except official transcripts and official test scores) within the online application for admissions, email to AdmissionsProcessing@uni.edu or to the postal address below. Official transcripts and official test scores should be sent to

Office of Admissions-U.S. Graduate Admissions
002 Gilchrist Hall
University of Northern Iowa
Cedar Falls, IA 50614-0018, U.S.A.

U.S. students who have already completed a masters or doctoral degree will need to submit those official transcripts, but may not be required by the Department to also submit official transcripts for their baccalaureate degree, provided that their post-baccalaureate degree(s) is from a college or university accredited by the North Central Association of Colleges and Secondary Schools or a corresponding regional agency, or a graduate or a foreign institution recognized by that country's Ministry of Education.

International students must submit the following to the Office of Admissions for the admission file to be considered complete: the Application for Admission to Graduate Study; the application fee; official transcripts from the college or university granting the baccalaureate degree and any other colleges or universities attended after earning the bachelor’s degree, if other than the University of Northern Iowa; TOEFL, IELTS, or Duolingo scores (if the native language is not English); any other required test scores (GRE, GMAT); and any other application materials required by the graduate program (departmental application, letters of reference, goal statement, etc.). International students should contact the department for information about required application materials and see also https://intladm.uni.edu/graduate-majors. International students should send all materials (except official transcripts and official test scores) to international.admissions@uni.edu or to the postal address below. Official transcripts and official test scores should be sent to

Office of Admissions-International Graduate Admissions
002 Gilchrist Hall
University of Northern Iowa
Cedar Falls, IA 50614-0018, U.S.A.

The Office of Admissions may request additional documentation at their discretion in order to thoroughly process an international application. This may include secondary transcripts and diplomas, all post-secondary transcripts and diplomas/degrees, official certified English translations of documents from non-native English speaking countries, etc.

Applications for Degree Status are reviewed and acted upon by the appropriate academic department, the Office of Admissions, the Graduate College, and the Office of the Registrar. Responsibility for determining eligibility for admission to graduate degree programs rests primarily with the academic departments. The academic departments are responsible for evaluating degree status applications for admission, but the Graduate College has final authority on the admission decision for students (with or without provisions). A graduate of a college or university accredited by the North Central Association of Colleges and Secondary Schools or a corresponding regional agency, or a graduate of a foreign institution recognized by that country's Ministry of Education, is eligible to be considered for regular admission without provision. A graduate of a college or university that is not accredited may be granted admission with provisions at the discretion of the Dean of the Graduate College. Students who expect to earn a graduate degree at this university must file an **official** transcript from the college or university granting the baccalaureate degree, if other than the University of Northern Iowa. Degree Status applicants who have attended other colleges or universities after earning the bachelor's degree must file an official transcript of each record. Only transcripts sent directly from the issuing institution to the UNI Office of Admissions are considered official. *Students who do not have a final transcript showing the bachelor's degree on file by the end of the second week of classes may be removed from their program. Further action will be determined by Admissions and the Graduate College.*

Applicants should check with the department offering the major of their choice, to determine whether/which Graduate Record Examination (GRE) tests are required prior to admission. **If required,**

applicants must request that the scores be sent directly from the testing agency to the Office of Admissions.

Students applying for admission to a graduate degree program in the College of Business are required to submit their scores from the Graduate Management Admission Test (GMAT). They need not take the Graduate Record Examination (GRE). **Students must request that the testing agency forward their test results directly to the Office of Admissions**.

Scores on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) are required from applicants whose first language is not English. The minimum required scores for regular admission without provisions are 550(paper)/79(Internet) on the TOEFL or 6.5 on the IELTS, or 105 on Duolingo. To be eligible to be considered for admission with provisions in either degree or non-degree graduate status, a TOEFL score of at least 453(paper)/46(internet); an IELTS score of at least 5.5; or a Duolingo score of at least 95 are required. Please note that some graduate programs have higher requirements. The requirement to submit these scores may be waived only by the Graduate College through a direct request from a graduate program (not from a prospective student). A typical circumstance in which a waiver may be granted is that the student has completed a bachelor's or graduate degree at an accredited English-speaking institution.

Regular Admission to UNI has two options:

1. **Without Provisions (Unconditional)**
   The minimum undergraduate grade point average, or prior graduate grade point average on at least 8 credits, required for admission is 3.00 (B = 3.00) or its equivalent. Individual graduate programs may require a higher grade point average for admission. This admission is given to degree-seeking students who meet the minimum GPA requirement, met the minimum TOEFL or IELTS score if applicable, have submitted all official transcripts, and are deemed qualified by the appropriate academic department to pursue a program of study which can culminate in the earning of a graduate degree. Applicants are to specify their choice of degree program in their admission application.
2. **With Provisions (Provisional)**
   At the discretion of the academic department concerned, an applicant who has an undergraduate and/or prior graduate GPA less than 3.00), or who does not meet some other criterion for acceptance without provisions, may be regularly admitted with provisions. In this case, the applicant is admitted to a graduate program, subject to certain reservations/requirements. Upon admission, the student must be notified in writing by the department of its reservations/requirements that must be satisfied before the provisional indicator may be removed from the student records.
   A student admitted with provisions who completes eight (8) or more graded hours of a degree program with a 3.00 grade point average, or better, is generally eligible to have their provision removed. The responsibility to update the admission information rests with the academic department concerned. Review of the provision should take place the semester after the student has completed eight (8) semester hours in their graduate program. The department has responsibility for notifying the Office of Admissions and the Graduate College admissions coordinator about the reclassification decision. Notification must be made using the form 'Authorization for Removal of Graduate Post-Admission To-Do Items' and contact the Graduate College to obtain the form. No student may receive a UNI graduate degree while admitted with provisions. The Department must communicate to the student in writing of the requirements necessary for the successful completion of the degree program.
   Status Acceptance and Waivers:
   Any waivers of degree requirements as established by a department must be furnished to the applicant by the department in writing (refer to waiver procedures in this University Catalog). Waiver of specific degree requirements do not generally result in a reduction in the total semester hours required for the degree.

Requirements for Admission to Non-Degree Status

Non-Degree Status has been established for the post-baccalaureate student who:

1. wishes to take graduate courses for self-enlightenment unrelated to any graduate degree program.
2. plans to demonstrate competence in graduate studies in support of consideration for admission to a degree program at a later time.

The admission process for **Non-Degree Status** applicants begins when the application for admission and all supporting documents have been received in the Office of Admissions. Requests for Non-Degree Status are reviewed and acted upon within the Office of Admissions.

Applicants must have a bachelor's degree from a college or university accredited by the North Central Association of Colleges and Secondary Schools or a corresponding regional agency, or have a bachelor's degree from a foreign institution recognized by that country's Ministry of Education. All students wishing to earn non-degree graduate credit from UNI must have a verified bachelor's degree (and master's degree if the student wishes to take doctoral level courses). The student must file an official transcript or statement of degree from **each** college or university from which they have received a degree, unless the degree was obtained from the University of Northern Iowa. **Only documents sent directly from the issuing institution to the UNI Office of Admissions are considered official.** Transfer credit is not processed for students in non-degree status at UNI.

Scores on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) or Duolingo are required from applicants whose first language is not English. The minimum required scores are 550(paper)/79(Internet) on the TOEFL or 6.5 on the IELTS, or 105 for Duolingo. TOEFL *MyBest scores* are accepted and must meet the above criteria. **Please note that some graduate programs have higher requirements.** English language proficiency scores are considered valid for a period of 2 years prior to the date of submission of the admission application. The requirement to submit these scores may be waived only by the Graduate College through a direct request from a graduate program (not from a prospective student). A typical circumstance in which a waiver may be granted is that the student has completed a bachelor's or graduate degree at an accredited English-speaking institution. English language proficiency is automatically waived for students who are from a native English speaking country.

Note: Academic departments are not obliged to count toward their degree programs **any credit for course work undertaken in a Non-**

Degree Status. Contact the department of interest with any questions about course applicability.

Students Enrolled for Both Graduate and Undergraduate Credit in the Same Term (Dual Career Students)

A student may take both graduate and undergraduate credit courses in the same term in one of the circumstances below. **A student must be degree-seeking in, and enrolled at least half-time in, their primary career in order to be eligible for federal financial aid. See the appropriate circumstance below for an explanation of which career is primary and for tuition billing information.**

Graduate Credit as a Senior

An undergraduate student of senior standing (90 or more credits earned) at the time of registration, earning the first bachelor's degree, and with a cumulative GPA of at least 3.00, may register for a maximum of 12 total credit hours for graduate credit. Undergraduate Students may take graduate level courses only at the 5000 or 6000 level. Such registration requires approval on an online undergraduate student request (available via MyUniverse Student Request Link) by the student's advisor, the instructor of the course, the head of the department offering the course, and the Graduate College. The combined total of course credits, both undergraduate and graduate, may not exceed 15 hours in a semester or 9 hours in a summer session. Overload requests must be approved by the student's advisor and the Graduate College. Any waiver of these requirements must be approved by the Graduate College prior to enrollment.

No course may count toward both an undergraduate and a graduate degree (except for combined degree programs). Graduate credit earned as an undergraduate will not be counted toward the undergraduate degree and may or may not be counted toward UNI graduate degree programs at the discretion of the graduate program (except for combined degree programs). Some graduate programs have early admission procedures which the student must follow in order for the graduate credit to apply to the graduate degree. The earliest graduate course that applies to a student's graduate program marks the beginning of the recency period for the completion of the degree.

S**tudents earning graduate credit as a senior are classified as seniors but will pay graduate tuition for the semester hours for which they will receive graduate credit (except for combined degree programs).** The maximum tuition will be the full-time graduate rate for the student's residence classification. The undergraduate career is the student's primary career for financial aid purposes. The student must be enrolled at least half-time in undergraduate courses to be eligible for federal financial aid, which will be at the undergraduate level.

Combined Degree Programs

These are accelerated programs which allow students to complete both a bachelor's and a master's degree in five years. Programs with 30-36 hours may share 12 graduate credit hours between undergraduate and graduate degrees. Programs with more than 36 hours need approval from the Graduate Council and Dean of the Graduate College to have more than 12 graduate credit hours shared between undergraduate and graduate degrees. No program can apply more than 18 hours or 1/3 of the graduate credits to the undergraduate program (whichever is less).

Admission and acceptance:

- Students must submit an application to the graduate college during their junior year or at the completion of 75 undergraduate hours (whichever comes first).
- Minimum number of completed undergraduate hours to begin enrollment in graduate courses is 90 hours.
- Completion of undergraduate degree: 12 months from first day of the semester for which the student was admitted to the combined degree program (ex. from beginning spring 2021 to the end of spring 2022).

Senior Year:

- At the end of the senior year, students will have completed the BA/BS requirements and may participate in the graduation ceremony of their bachelor's degree.

Graduate Year:

- During the second year of the program, students fully enroll into their graduate degree program.
- Graduate students should complete a degree program and apply for graduation in accordance with the policies and procedures of the Graduate College.

*If a student decides to complete a bachelor's degree and not continue with a master's degree, the graduate courses already completed will be used to meet the 120 required hours for a bachelor's degree, and these courses will count only once toward degree completion. Then, the student will be discontinued from the graduate portion of the program.

Academic Regulations:

1. Admission with provision does not apply.
2. No transfer credit will be accepted into the graduate component of the program.
3. Undergraduate honors thesis cannot be used to meet graduate thesis/project requirements.
4. Guided independent studies may not be used toward graduate degree completion.
5. Courses taken at the 4000 level cannot be retaken at the 5000 level.
6. Maximum graduate academic load per semester: 15 hours (fall and spring).
7. Students in combined degree programs during a transition period are also subject to graduate regulations/procedures.
8. Students must maintain a minimum GPA of 3.0.
9. A student on GPRE status (transition period) who fails to maintain good academic standing will be removed from the combined degree program.
10. Students dismissed from the combined degree program are eligible to pursue a traditional graduate degree program in accordance with the admission policies set by each program at UNI.
11. Continuous enrollment: Students in combined degree programs must maintain continuous and consecutive enrollment at

UNI. Students who miss more than two half semesters will be withdrawn from the program.

Graduate Student Taking an Undergraduate Course

Graduate students wishing to take an undergraduate course for any reason (personal interest, to satisfy provisions of admission, professional development or certification, etc.) must submit an online graduate student request "Request registration in an undergraduate course" through MyUNIverse. Once the request is approved, and assuming the requested course is open, the Registrar's Office will enroll the student in the course. Undergraduate courses taken by graduate students in Fall 2011 and later will appear only on an undergraduate transcript and will not be included in the graduate GPA.

Graduate students taking undergraduate courses will pay graduate tuition for their entire enrollment if they are taking any courses for graduate credit in that term. The maximum tuition will be the full-time graduate rate for the student's residence classification. If the only enrollment is undergraduate courses, undergraduate tuition will be charged. However, the graduate career is the student's primary career for financial aid, regardless of enrollment. The student must be enrolled at least half-time in graduate courses to be eligible to receive federal financial aid, which will be at the graduate level.

Graduate Student Concurrent with Second Bachelor's Degree or Teacher Licensure

A student who has received a bachelor's degree may be simultaneously active in both an undergraduate career, to work toward a second bachelor's degree or teacher licensure, and a graduate career, either degree-seeking or non-degree. The student who wishes to do this must submit two applications for admission—one for post-baccalaureate undergraduate admission (see Post-baccalaureate, Undergraduate Study in this university catalog) and one for admission to graduate study (see Admission to Graduate Study in this university catalog). For students pursuing teacher licensure, after submitting an undergraduate post-baccalaureate application and becoming term-activated, all student requests pertaining to licensure must be submitted at the undergraduate level. No course can apply to both a bachelor's degree and a graduate degree. Students who are admitted in this way will have both an undergraduate and a graduate transcript.

A graduate student (degree or non-degree) who is concurrently working toward a second bachelor's degree or teacher licensure will pay graduate tuition for the entire registration of a term if any courses are taken for graduate credit in that term. The maximum tuition will be the full-time graduate rate for the student's residence classification.

If the student is graduate degree-seeking, the graduate career is the student's primary career for financial aid and the student must be enrolled at least half-time in graduate courses to be eligible for federal financial aid, which will be at the graduate level. However, if the only enrollment is in undergraduate courses, undergraduate tuition will be charged, and the Office of Financial Aid will regard the undergraduate career as primary for that term if the graduate career is temporarily discontinued. In that case, the student must be enrolled at least half-time in undergraduate courses to be eligible for federal financial aid, which will be at the undergraduate level. A student cannot apply for graduation with the graduate degree when the graduate career is discontinued.

If the student is graduate non-degree, the undergraduate career is the primary career for financial aid. The student must be enrolled at least half-time in undergraduate courses to be eligible for federal financial aid, which will be at the undergraduate level.

Non-degree Graduate Student and Non-Degree Undergraduate Student

A student who has received a bachelor's degree may be simultaneously active in both a non-degree undergraduate career, to take undergraduate courses for personal interest, and a non-degree graduate career, to take graduate courses for personal interest or to demonstrate competence in graduate work prior to applying to a graduate program. The student who wishes to do this must submit two applications for admission—one for post-baccalaureate undergraduate non-degree admission (see Post-baccalaureate, Undergraduate Study in this university catalog) and one for admission to non-degree graduate study (see Admission to Graduate Study in this university catalog). Students who are admitted in this way will have both an undergraduate and a graduate transcript.

A non-degree graduate student who is also a non-degree undergraduate student will pay graduate tuition for the entire registration of a term if any courses are taken for graduate credit in that term. The maximum tuition will be the full-time graduate rate for the student's residence classification. If the only enrollment is undergraduate courses, undergraduate tuition will be charged. Students who are not degree-seeking are not eligible for federal financial aid.

Classification of Residents and Nonresidents for Admission, Tuition, and Fee Purposes

Refer to this University Catalog at www.uni.edu/catalog/generalinformation/admissionrequirements for further details.

Enrollment and Registration Procedures

Refer to this University Catalog at www.uni.edu/catalog/generalinformation/enrollmentandregistrationprocedures for further details.

Health

All incoming students are required to submit evidence of having been adequately immunized against measles (rubeola), rubella, and mumps. Students must provide documentation of their immunization records which shows proof of TWO measles, mumps and rubella (MMR) vaccinations. For more information please see our Web site at www.uni.edu/health.

Facilities and Educational Services

Refer to this University Catalog at www.uni.edu/catalog/generalinformation/universityfacilitiesandeducationalservices for further details.

Office of Financial Aid and Scholarships

Qualified degree-seeking students may secure Federal Direct Unsubsidized Loans. Loans are available to students enrolled at least half-time (5 semester hours in the fall or spring semesters or 4 semester hours in the summer).

Graduate assistantships may be available by applying to academic departments or applying for open GA positions in non-academic departments.

Graduate students who wish further information about financial assistance may contact the Office of Financial Aid and Scholarships, University of Northern Iowa, Cedar Falls, IA 50614-0024.

Fine and Performing Arts at UNI

Refer to this University Catalog at www.uni.edu/catalog/generalinformation/thefineandperformingartsatuni for further details.

Schedule of Fees

Refer to this University Catalog at www.uni.edu/catalog/generalinformation/feesandfinancialaid for further details.

Student Life

Refer to this University Catalog at www.uni.edu/catalog/studentlife for further details.

Graduate Assistantships

A limited number of graduate assistantships are available to qualified students who are working toward a graduate degree at the University of Northern Iowa. The associated work assignment is of an academic nature and is designed to contribute to the student's graduate education.

A full assistantship for a semester carries a stipend paid in equal installments over a 5-month period. Half-assistantships may also be awarded. The associated work assignment for a full assistantship is for 20 hours per week assisting designated supervisors in certain appropriate academic functions, including teaching and research, or working in a non-academic unit. Graduate students receiving an assistantship cannot be otherwise employed on campus, except as an hourly student employee. The combination of a graduate assistantship appointment and an hourly student employment assignment is limited to 20 hours per week.

Graduate students receiving an assistantship may also apply for other forms of university-based financial aid, tuition awards, fellowships or scholarships which do not require services performed by the student, i.e., where such could be considered wages.

To be eligible for an assistantship all of the following conditions need to be met:

- Students must have a bachelor’s degree from an accredited institution prior to the start of the assistantship appointment (except for dual-combined career programs. Departments who wish to allow a student in a dual career program must notify the Graduate College and obtain approval prior to the start of the assistantship).
- A student whose bachelor's degree will be completed prior to the start of the UNI graduate program but will not have an official transcript on file may be eligible for an assistantship at the discretion of the Graduate College.
- The student must have been admitted to graduate study at the University of Northern Iowa on a degree-track basis, either as regular admission or as admitted with provisions for non-GPA reasons.
- A newly admitted graduate student must have at least a 3.0 grade point average for undergraduate or previous graduate work of at least 8 graded credit hours. For students enrolled in dual-combined programs, the qualifying graduate hours might be lowered at the discretion of the Graduate College. The student must maintain a minimum UNI cumulative GPA of 3.00 in order to be eligible for continued or further appointment.
- The student must be enrolled full-time and carry a minimum of 9 qualifying graduate-level credit hours for each semester during the award. It is expected that all courses applying to the degree meet the minimum hour requirements for program completion established by the Graduate College. Workshops, off-campus courses, audit courses, courses taken as credit/no-credit, (except for courses required by accrediting bodies) CIEP, guided independent study and repeated courses cannot be used as part of the minimum load. Courses taken for the completion of certificates must be complementary to the degree program.

Once students have begun studies at the University of Northern Iowa, all graduate courses will be used as a basis of computation for GPA eligibility.

The assistantship application form may be obtained on the Graduate College website. Students should submit their application by February to the hiring unit.

Recommendations for awarding assistantships are made by the department or hiring unit who submits electronic forms to the Graduate College. All graduate assistantships must be offered through the Graduate College.

Graduate Tuition Scholarships

A limited number of Graduate College tuition scholarships are awarded through the Graduate College upon recommendation of the academic department. Full or half tuition scholarships are available. To be eligible for a Graduate College Tuition Scholarship all of the following criteria must be met:

- Students must have a bachelor’s degree from an accredited institution prior to the start of the scholarship appointment. Departments who wish to allow a student in a dual-combined career program must notify the Graduate College and obtain approval prior to the start of the scholarship.
- A student whose bachelor's degree will be completed prior to the start of the UNI graduate program but will not have an official transcript on file may be eligible for a scholarship at the discretion of the Graduate College.
- The student must have been admitted to graduate study at the University of Northern Iowa on a degree-track basis, either as regular admission or as admitted with provisions for non-GPA reasons.
- A newly admitted graduate student must have at least a 3.0. grade point average for undergraduate or previous graduate work of at least 8 graded credit hours. For students enrolled in dual-combined programs, the qualifying graduate hours might be lowered at the discretion of the Graduate College. The student must maintain a minimum UNI cumulative GPA of 3.00 in order to be eligible for continued or further appointment.
- The student must be enrolled full-time and carry a minimum of 9 qualifying graduate-level credit hours for each semester during the award. It is expected that all courses applying to

the degree meet the minimum hour requirements for program completion established by the Graduate College. Workshops, off-campus courses, courses taken as credit/no-credit, audit courses, CIEP, guided independent study and courses through Continuing Education and Special Programs cannot be used as part of the minimum load (except for courses required by accrediting bodies). Courses taken for the completion of certificates must be complementary to the degree program.

Once students have begun studies at the University of Northern Iowa, all graduate courses will be used as a basis of computation for GPA eligibility. Graduate students receiving a tuition scholarship must be enrolled full-time (9+ graduate hours).

The Graduate College Tuition Scholarship application form may be obtained on the Graduate College website. Students should submit their application by February to their academic department.

Some university units may offer scholarships for graduate study. Students should obtain information about these awards from the units in which they intend to do graduate work.

Common Regulations and Requirements for All Graduate Programs

Departments must provide information to students which outlines: required courses applicable to the various departmental programs of study, examination procedures and other formal evaluations, departmental policies with regard to awarding and renewing assistantships, time limits on degree completion (if less than seven years), registration policies, grade point requirements, requirements for changing from one degree program to another within the department, and other matters as are appropriate. The nature of the departmental advisory system should also be explained to incoming students.

Filing Graduate Student Requests

Student requests are used by students to seek appropriate approval(s) for a variety of requests. **Graduate students submit student requests online through MyUNIverse.** For graduate students, the link to the student request system is located on the MyUNIverse My Page tab. Graduate students click on the "Student Request" link, and follow instructions to write, submit, and review the approval status of their student requests.

Regulations Affecting Registration

Each student admitted to a degree program is assigned an advisor. The advisor will assist the student in the registration process involving the selection of courses and other matters such as:

1. **Maximum academic load**

   The maximum graduate student load during each semester of the academic year is 15 hours.

   The maximum graduate student load during the eight-week summer session is 9 semester hours of eight-week courses. The maximum load for shorter sessions is one (1) credit hour per session week (i.e., a 4 hour load in a four-week session; a 6 hour load in a six-week session). The maximum load during a two-week post-session is 2 semester hours.

   Requests for exceptions to these load regulations must be submitted on-line through MyUNIverse, (see Filing Graduate Student Requests). Exceptions may be granted only by the Graduate College.

2. **Level of courses**

   Graduate students normally take courses only in the 5000, 6000 or 7000 (for doctoral students) series. **A graduate student may request to take courses numbered 0000-4999 for *undergraduate credit.* Such courses do not carry graduate credit and may not be used on a graduate degree under any circumstances.** Undergraduate courses taken Fall 2011 and later will be on an undergraduate transcript. See the section "Students enrolled for both graduate and undergraduate credit in the same term" in this university catalog.

3. **Continuous registration**

   Graduate students who have completed all of their program courses but have not completed all of their graduation requirements, e.g. comprehensive exams, thesis, paper/project, recitals, etc., must be continuously registered until the degree is completed. Registration for every fall semester and spring semester is required. Summer registration is required for students taking examinations, completing culminating experiences, defending theses or dissertations, or graduating from the degree program during the summer term. Students reaching this stage must be registered by their department in the course xxxx 629C Continuous Registration or xxxx 7300 Postcomprehensive Registration (xxxx refers to the student’s major department), and assessed a fee (see semester Schedule of Classes for appropriate course fee). Continuous enrollment ensures that students and their advisors can access their university records, that students receive important emails from university offices, and that students can utilize the library and its services through graduation.

Program of Study (Academic Requirements/ Advisement Report)

When a student’s admission file is complete, a standard advisement report is released online for view by the student and the advisor in MyUNIverse. (For students, the advisement report is found in MyUNIverse Student Center as Academic Requirements. For advisors, the student’s advisement report is found in MyUNIverse Advisor Center.) Usually during the first semester of coursework, a departmental advisor will meet with students to inform them of program requirements and expectations. A default thesis or non-thesis option, if applicable, is included in the advisement report, the tracking document of graduate degree requirements. If the student wishes to change to the other option, if available, a student request must be submitted via the request system: Submit Change to Thesis or Non-Thesis option (Masters or Specialist Degree). If the student or advisor chooses to make any changes in the degree requirements, a student request must be made online through MyUNIverse (see Filing Graduate Student Requests). The Associate Dean of the Graduate College (or designee) is the final person to approve or reject any changes to the degree requirements. The Dean of the Graduate College is in general charge of each graduate student's program. **It is the student’s responsibility to be familiar with all degree requirements and take the initiative in meeting these requirements and established policies and procedures.**

Program of Study Regulations

1. Scholarship

A UNI cumulative grade index of 3.00 (B average) must be earned in all graduate courses on the advisement report. No more than six (6) semester hours of *C* credit (*C+*, *C*, *C-*) may be applied toward credit for graduation. When *C*-range grades on the advisement report exceed the six hour limit, one or more of such courses *must* be repeated. Individual departments may identify specific courses within the degree for which a minimum grade of *B* is required. A course taken to satisfy degree requirements in which a student receives a *D+*, *D*, *D-* *F* or *NC* grade will not be considered satisfactory and *must* be repeated. Students who repeat a course, get credit only once for non-repeatable courses. A student may attempt a course twice. The original course grade will remain on the student record, and the grade of the second course attempt will be used in the computation of the GPA.

2. Time Limitation (Recency of Credit)

Time limits on the completion of degrees have been established to ensure that a student who earns a UNI graduate degree is current in the discipline at the time of graduation. **The allotted time to a Master's and Specialist is seven years from the earliest course applied to the degree. The allotted time for doctoral degrees is ten years. Courses taken more than seven years (ten years for doctoral programs) prior to the granting of the degree cannot be used to meet degree requirements.** If the student's original time limit expired over five years ago, the student must reapply for admission to the graduate program. If the student is accepted, only coursework that is within the recency period when the degree is granted may be used to satisfy degree requirements.

A graduate student who is unable to complete the degree within the time limits described above may request the program and the Graduate College one extension of up to 24 months. The form "Preliminary Request to Extend Time to Complete Graduate Program" must be completed by the student and approved by the program (see https://grad.uni.edu/current-students). If the extension requires the completion of a thesis or dissertation, the committee chair must also sign. After departmental approval, the form must be sent to the Graduate College for final review. Upon notification of its approval, the student must submit an online request: Exception to Policy: Extension of 7/10 year limit for degree completion. All extensions must be approved prior to resuming work toward the degree and are subject to the following requirements:

1. A completed form: Preliminary Request to Extend Time to Complete Graduate Program.
2. A justifiable reason (with documentation) for the delay in degree completion must be provided.
3. Evidence of currency in the discipline must be provided for each course that would be out of recency.
4. A clear timetable for the completion of requirements, with proposed committee members.
5. Submission of Student Request: Exception to Policy: Extension of 7-10 year limit for degree completion.
6. If an extension of time to complete the degree is granted, it will be the only extension the student receives **Students may request one extension for a total of up to 24 months during their studies, but time limits may be extended for active military service or other extenuating circumstances, at the recommendation of the program and the approval of the Dean of the Graduate College or designee.**

Revalidation of outdated coursework (coursework out of recency)

This process allows students to revalidate outdated course(s) based on professional activities and/or experiences in a field. Students completing a masters' degree may recertify up to 12 credit hours and doctoral students may recertify up to 15 credit hours.

Students should contact their department to request a revalidation process. The department evaluates the knowledge and currency of the content through the following options:

1. Written examination
2. Professional activities: Knowledge demonstrated through professional experiences
3. Additional courses/certifications taken

The department should prepare an evaluation report that includes the names of the evaluators, questions used and/or methods that were applied to assess content knowledge and currency in the field. The report must be submitted to the department head/ graduate coordinator, Associate Dean of the Academic College, and to the Associate Dean of Graduate College. A Recertification Form of Expired Courses must be signed by all parties and sent to the Graduate College for final approval. An online request will be completed upon Graduate College approval by the student.

This process can be applied at the beginning of the enrollment in a masters/doctoral degree *or* upon expiration of a recency extension.

3. Residence

At least two-thirds of the minimum hours required for a particular Master or Specialist degree program must be taken with members of the UNI graduate and associate graduate faculty and must be taken only for that degree (except for MAIS degree). The doctoral degree programs have different residence requirements. As soon as possible, a student in a degree program should discuss her/his residence credit plan with her/his program advisor in the degree department. The combination of transfer credit, guided independent study credit, and credit applied to another graduate degree cannot exceed one-third of the minimum degree hours, even if some are UNI courses (except for MAIS degree).

After students have been admitted for a graduate degree, and provided that prior arrangements have been made with the Dean of the Graduate College, they may take work at the University of Iowa, Iowa State University or the Quad-Cities Graduate Study Center. UNI may grant residence credit for this.

4. Nongraded credit

Up to 3 credit hours of graduate non-graded (credit/no-credit) course work may be applied to the degree with the approval of the program and the Graduate College. Exceptions are courses offered only on a non-graded basis and 6299, which must be graded credit. A grade of *C*- or better is required to earn credit. Credit/no-credit will not be used to circumvent the maximum 6 hours of *C* grades applied to the degree.

5. Credit from Other Institutions (Transfer Credit)

Graduate credit earned at other regionally accredited colleges and universities may be accepted to a maximum of one-third of the minimum number of hours required by a particular UNI graduate degree program, but specialist and doctoral programs may allow a smaller fraction of transfer hours. **Credits earned from other institutions will not satisfy the minimum required number of credits at 6000-level course requirement (or 6000-7000–level requirement for doctoral degrees). The minimum credit hour requirement at 6000 level must be met with UNI classes. Credits not needed to meet degree requirements will not be transferred.** Transfer credit is not processed for students in non-degree status at UNI.

A student pursuing a graduate degree program should discuss plans to transfer credits with the program advisor as soon as possible. Academic departments are not obliged to count toward their degree programs any credit for course work undertaken without specific advice provided by the department. **All transfer courses must meet the following criteria.**

- Course must be a regular graduate course with a graduate course number (not professional development or college credit through an Educational Agency or conference).
- Course must be taken by the student in graduate status, and the official transcript must show a grade of B or better earned.
- Course must meet the UNI seven-year recency requirement, and ten-year for doctoral programs.

The official transcript *and any other documents required upon request* are used by the Office of Admissions After a completed course has been ruled eligible, the student may submit an online request: Graduate transfer course credit approval to transfer the course and use it on the graduate degree. Application of eligible transfer courses to the UNI degree program requires approval by the department/graduate program on the student request.

Current students considering taking a course at another institution to use on the UNI degree should *seek approval from the* department **prior to enrolling for the course**. *Transfer courses taken after degree admission* will not be processed or approved for the degree until official transcripts for these courses are filed with the Office of Admissions.

Graduate programs or the Graduate College may request additional materials such as course outline, syllabus or accreditation information to evaluate course eligibility for transfer to UNI or application to a plan of study at UNI. Approval to apply any transferred credits toward a degree program must be granted by the student's academic advisor, and the program head or graduate coordinator.

For Master of Arts in Interdisciplinary Studies, upon approval from the Graduate College, students may transfer a certificate earned at another accredited university that has not been used to satisfy the requirements for a previous Master's degree, up to 15 credits. Credits taken at another institution at the appropriate level may count toward the 6000-level credits required to graduate, pending approval from the Graduate College and the program head or graduate coordinator. Graduate programs or the Graduate College may request additional materials such as course outline, syllabus or accreditation information to evaluate course eligibility for transfer.

6. Guided Independent Study Courses

Guided Independent Study courses may not ordinarily be applied toward a graduate degree program. In unusual circumstances a student may request that a maximum of 3 semester hours of 5000-level Guided Independent Study credit be applied to a graduate degree program. An online student request must be submitted and approved **prior to registering** for the course (submit request "Other").

7. Workshop credit

No more than 6 credit hours earned in workshop courses, at the University of Northern Iowa or another institution, will be applied toward a graduate degree. Workshop courses from The Center for Teaching and Learning Mathematics (CTLM) can be used as a certificate that is stackable and used toward the completion of the Master of Arts in Interdisciplinary Studies, up to 15 hours. The exception is only for CTLM courses with the purpose to provide professional opportunities to current teachers; all workshops can be repeated.

8. Camp Adventure *(currently suspended)*

Graduate students participating in the Camp Adventure Child and Youth Services program may apply up to 2 credits of LYHS 5621 Camp Staff Development taken on the UNI Campus and up to 2 credits of RTNL 6295 taken through Camp Adventure to each graduate degree, with approval of the graduate program. No other courses taken through Camp Adventure may be used on a graduate degree.

9. Courses Applying to Two Graduate Degrees

At least two-thirds (2/3) of the minimum hours required for a graduate degree must be UNI courses taken only for that degree. Any combination of transfer hours, guided independent study, and hours applied to another degree may make up no more than one-third (1/3) of the minimum hours required for a graduate degree. Some programs may impose more restrictive limits.

No course may be applied to more than two degrees. No course may apply to both the first Master's degree and a doctoral degree.

A maximum of 9 semester hours may be common to two Master's degrees, whether the degrees are concurrent or sequential.

A maximum of 6 semester hours may be common to both a doctoral degree and another graduate degree beyond the first Master's degree (e.q., second Master's, Specialist).

10. Policies Regarding Course Grades of Incomplete (Graduate Courses)

Work reported as *Incomplete (I)* in the fall session must be completed by June 1 of the next calendar year. Work reported *Incomplete* in the spring and summer sessions must be completed by January 1 the next calendar year. The exact length of time to remove the *Incomplete* within the above timelines is set by agreement between the instructor and the student. If the work reported as *Incomplete* is not made up by the deadline noted above, it is automatically entered as an *F (Failure)* on the student's record.

Any requests for an exception to the above timelines must be submitted online through MyUNIverse (see Student Requests). Only under the most unusual circumstances would requests for additional time be approved.

Some courses continue beyond the normal ending date of the semester or session. In such cases the initial grade reported will be an *RC* which means *Research* or *Course Continued*. Once the extended instructional period is finished, the *RC* grade will be replaced with the appropriate grade assigned by the instructor. If the *RC* grade is not replaced with an appropriate grade within an instructional period, the *RC* will be automatically entered as an *F* on the student record after 48 months. For non-degree seeking students, *RC* grades must be replaced by an appropriate grade within a calendar year.

Exceptions to Regulations

Exceptions to Graduate College regulations and Graduate Council policies may be granted only by the Dean of the Graduate College (or designee). Requests for exceptions must be submitted online through MyUNIverse (see Student Requests).

Graduate Probation and Suspension - Degree Status Students

Graduate students in degree programs are expected to maintain high academic standards. Probation or suspension status might be required for students who fail to meet expectations either in their coursework or in educational requirements outside of regular courses such as comprehensive exams, thesis/dissertation work, field experiences, practicum, or internships. At the end of each term and when incomplete grades revert to *F (Failure*) graduate student records are reviewed. Students with unsatisfactory performance are placed on probation or are suspended from graduate degree programs and any graduate enrollment at UNI. Students are evaluated for probation and suspension based on attempted degree hours. Attempted degree hours are any credit hours on the advisement report for which the student receives a mark (A through F, W, I, RC, CR, NC) or for which the term and dates of the course have passed, even if there is no mark.

A student who has attempted at least six (6) semester hours on the advisement report and attained a UNI cumulative GPA less than 3.00 will be placed on probation. If the student attempts eight (8) or more hours while on probation without qualifying as a degree candidate (GPA of 3.00), the student is reviewed for suspension from graduate degree programs. If the GPA is so low as to make it impossible to raise it to 3.0, the student may be suspended even if fewer than 8 hours were attempted while on probation.

Students on academic probation will not be permitted to graduate even if all the coursework has been completed. A UNI cumulative GPA of 3.0. will not be waived for students on probation/suspension status.

Students placed on academic suspension cannot enroll in non-degree graduate status or take courses at another institution to transfer to the student's degree, or advance in their program during the semester of academic suspension. It may be permitted for the student to register in undergraduate courses during the semester of suspension.

Reinstatement

When a student is suspended, at least one semester must elapse before a request for readmission to a graduate degree program may be made. After one full semester on suspension, a suspended student who wishes to enroll in classes must submit an online student request "Readmission after Suspension" and receive approval from the graduate program/department and the Graduate College for reinstatement and removal from suspension.

A student reinstated after suspension who fails to attain a UNI cumulative GPA, Total, of 3.00 with the first 8 credits after reinstatement will be terminated from the graduate program. If the GPA is so low as to make it impossible to raise it to 3.0, the student may be terminated even if fewer than 8 hours were attempted during the reinstatement.

In determining a graduate student's GPA, all graded coursework attempted will be used as a basis for computation. **If a graduate student repeats a course, both grades will be used in computation of the GPA index.**

If a student feels there has been some procedural irregularity concerning her/his suspension from the university, the student may request a review by the Graduate College. This review may be conducted by the Dean of the Graduate College (or designee).

Graduate Probation and Suspension - Non Degree Status Students

0-6 credits taken - no action

7-9 credits taken - GPA 2.6 – 2.99 - Probation; GPA less than 2.59 - Suspension

10 or more credits taken - GPA less than 3.00 - Suspension

If a student is put on probation, the student must bring the cumulative GPA to 3.00 or better in the next term of enrollment or the student will be suspended.

Suspension is for a minimum of one semester. Non-degree students who have been placed on academic suspension cannot enroll in graduate courses during the time they are suspended. After one full semester, students who wish to enroll in graduate classes must submit an online request for "Readmission after Suspension" and receive approvals from the Graduate College (and the department, if applicable).

If a student feels there has been some procedural irregularity concerning her/his suspension from the university, the student may request a review by the Graduate College. This review may be conducted by the Dean of the Graduate College (or designee).

Graduate Academic Renewal

The purpose of Academic Renewal is to allow a fresh start in pursuing a new graduate degree option at UNI. Academic Renewal allows graduate students to have all the grades they previously earned at UNI for a specific period excluded from their grade-point-average (GPA). This process enables students to have up to 4 academic semesters (completed within consecutive 24 months) excluded from the calculation of their UNI Cumulative GPA. This procedure is not available for degrees already granted.

Eligibility and Requirements:

- Graduate student standing
- Be within recency status
- Have applied to a different graduate program at UNI and in the process of being admitted
- Free from university holds including financial holds
- Semester(s) with academic violation level 3 or higher is not eligible to be excluded from the calculation. Record is maintained.
- Probation and suspension (academic standing) will not be removed from records
- Programmatic probation/suspension will not be removed from records
- Excluded coursework cannot be reinstated
- Tuition cannot be refunded for past coursework
- Procedure can be applied only once

Procedure: When a graduate student decides to apply to a different degree program, the student must submit a new online graduate admission application and complete a graduate student request form for "Academic Renewal". The request is available in the Graduate College, Graduate Admissions Coordinator. If the Graduate College approves the student's request for Academic Renewal, the Office of the Registrar will annotate the permanent record indicated work taken during the disregarded semesters, even if satisfactory, may not apply toward graduation. However, all coursework and grades will remain on the students' record to ensure an accurate and complete academic history. Processed Academic Renewal forms are stored permanently in Onbase.

Programmatic Probation and Dismissal

Departmental Probation and Dismissal Policy Procedures For Programmatic Requirements Other Than GPA*

* This policy does not preclude enforcement of any other university policies (e.g., policies regarding the academic standing of graduate students, academic ethics policies, grievance procedures for graduate students and graduate assistants).

In addition to the university-wide requirements for academic standing, **academic departments may establish additional requirements (e.g., ethical/professional standards), violation of which might determine an individual graduate student's standing with regard to probation and dismissal from a graduate program.**

To this end, departments with such requirements must put these in writing and place them on file in the departmental office, the office of the department's college, and the Graduate College. All departmental policies/procedures for programmatic probation and dismissal must be approved by the Dean of the Graduate College or designee.

Departments must make all reasonable efforts to inform graduate students of the existence of such policies/standards and disseminate them to students upon their admission to graduate study in the program/area. Policies/procedures for programmatic probation and dismissal must provide clear guidelines regarding grounds for a student to be placed on probation or dismissed. Policies must allow for a fair and expeditious review and provide clear guidance on how the department proceeds and recourse for students.

Subsequent changes in policies/standards must be communicated by the department to each student in the program, the Dean of the College, and to the Dean of the Graduate College or designee. The new regulations will not apply retroactively to the disadvantage of students already in the program.

I. Departmental Programmatic Probation

If a student is failing to meet departmental programmatic standards and probation or suspension is being considered, the department must adhere to the following minimum procedures:

1. warn the student of this in writing and specify in what way(s) the student is failing to meet the departmental standard(s);
2. advise the student (in writing) of the consequence(s) of failure to address the problem(s) cited, satisfactorily;
3. provide the student with a reasonable amount of time (e.g., a minimum of 10 business days) within which to respond to the notification (e.g., the right to review) and indicate to the person(s) to whom a response should be made;
4. provide the student with a reasonable amount of time to meet the standards or remediate prior to being placed on departmental probation and suspension.

If a student is **to be placed on departmental probation**, the department must:

1. provide, at the time of its imposition, a written explanation of this status, and its time limits;
2. indicate the impact of departmental probation on the pursuit of future graduate course work in the program of study;
3. give the student a reasonable amount of time within which to respond to the notification of probation (e.g., right to review) and indicate to whom a response should be made;
4. provide an explanation of the departmental reinstatement procedure(s);
5. establish departmental procedures for handling reviews.

The department should also notify the Dean of the College, Dean of the Graduate College or designee and the Registrar in writing and indicate the impact of the student's programmatic probationary

status on the pursuit of future graduate course work in the program of study. The Dean of the College, Dean of the Graduate College or designee and the Registrar should be notified when the student has been removed from probation.

II. Departmental Programmatic Dismissal

A student may be dismissed for her/his failure to meet: the conditions of admission, conditions of departmental probation, pre-announced departmental grade point requirements or other standards related to professional behavior or ability. Any requirements or expectations of students beyond classroom performance must be made clear to students in departmental documents and provided to students upon entry to the program. If a student is dismissed from a graduate program, the department must, at minimum:

1. notify the student of this in writing, specify what the student has done to merit departmental dismissal and its time limits;
2. indicate the impact of departmental dismissal on the pursuit of future course work in the program of study;
3. give student a reasonable amount of time (e.g., a minimum of 10 business days) to respond to the notification of dismissal (e.g., right to review) and indicate to the person(s) to whom a response should be made;
4. provide an explanation of departmental reinstatement procedures (as appropriate).

The department should notify the Dean of the College, Dean of the Graduate College or designee and the Registrar in writing and indicate the impact of the student's programmatic dismissal on the pursuit of graduate course work in the program of study. The Dean of the College, Dean of the Graduate College or designee and the Registrar should be notified when the student's dismissal has been removed.

Departmental policies/procedures for programmatic probation and dismissal must be approved by the Graduate Dean and offered a fair and expeditious review.

III. Graduate College Review of Departmental Programmatic Dismissal

Questions involving judgment of performance will not be reviewed beyond the departmental level. If a student feels there has been unfairness or some procedural irregularity concerning probation/dismissal, the student may choose to pursue academic grievance procedures as outlined in 12.01 Policies and Procedures (see https://policies.uni.edu/1201)

Grievances involving alleged acts of discrimination or harassment of students based on age, color, creed, disability, gender identity, national origin, race, religion, sex, sexual orientation, veteran status, or any other basis protected by federal and/or Iowa law, should be reported to the Office of Compliance and Equity Management/Title IX Officer (https://equity.uni.edu/).

Master's Degree Programs

Graduation Requirements

Thesis Plan

1. The number of hours of graduate credit required varies with the major, but no fewer than **30 semester hours of graduate credit is required for all majors**. For the Master of Arts (M.A.) thesis plan, the Master of Arts in Education (M.A.E.) thesis plan, and the Master of Music (M.M.) thesis/recital plan, a minimum of 24 semester hours must be in course work other than xxx:6299 Research and xxx:629R Directed Research. For the Master of Science (M.S.) degree with thesis, a minimum of 21 semester hours must be in course work other than xxx:6299 Research and xxx:629R Directed Research. The remainder of the 30 semester hours will be xxx:6299 thesis research credit. See departmental listings for program descriptions.
2. 6000-level credits: A minimum of 9 semester hours of 6000-level credit, other than xxx:6299 Research and xxx:629R Directed Research, taken at the University of Northern Iowa is required. A minimum of 6 semester hours of xxx:6299 and a maximum of 12 semester hours of xxx:629R taken at the University of Northern Iowa can be applied to the requirements for the degree. Following enrollment in all required semester hours of xxx:6299, a thesis major can register for 1-12 hours of xxx:629R and apply it to the degree as additional credits required, as long as no more than 6 semester hours are taken per semester. xxx:629R cannot be applied to the required minimum hours for the degree or the required minimum hours of 6000-level for the degree program.
3. Complete the course requirements for a specific major and any additional courses designated by the departmental committee.
4. Meet the seven-year recency of credit requirement.
5. Complete a thesis or creative thesis (or thesis abstract if the creative thesis is not in written form) or recital with recital abstract, as required by the student's graduate program, and meet Graduate College submission deadlines.
6. Meet the residence credit requirement.
7. **Application for graduation**

   It is the student's responsibility to make a timely application to graduate during the term the final degree requirements are completed. Application for graduation must be completed online through MyUNIverse Student Center. **Application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students' names can be included in the commencement publication. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term. Late fees apply.

   Graduate Student Eligibility to Participate in Commencement Ceremony

   Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Spring or Fall commencement as indicated below.

   Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

a. Spring graduate degree candidates must submit their application by April 1.

b. Fall graduate degree candidates must submit their application by November 10.

c. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the appropriate paragraph immediately below:

Summer Graduation - Master's and Specialist Degree Students*:* Students who will complete their degree requirements in summer, and who apply by April 1 for summer graduation (degree conferral), are eligible to participate in Spring commencement. Students who will complete their degree requirements in summer and who apply after April 1 for summer graduation (degree conferral) are only eligible to participate in fall commencement.

Non-Thesis Plan

1. The number of hours of graduate credit required varies with the major, but no fewer than **30 semester hours of graduate credit is required for all majors**. For the Master of Accounting (MAcc), the Master of Arts (M.A.) non-thesis plan, the Master of Arts in Education (M.A.E.) non-thesis plan, the Master of Business Administration (M.B.A.), the Master of Music (M.M.) non-thesis/half recital plan, the Master of Public Policy (M.P.P.), the Master of Science (M.S.) non-thesis plan, the Master of Social Work (M.S.W.), and the Professional Science Master's (P.S.M.), a minimum of 27 semester hours must be in course work other than xxx:6299 Research and xxx:629R Directed Research. See departmental listings for program descriptions.

2. 6000-level credits: A minimum of 12 semester hours of 6000-level credit, taken at the University of Northern Iowa is required. No more than 3 semester hours of xxx:6299 can be applied to the requirements for the degree. Following enrollment in 3 semester hours of xxx:6299, a non-thesis major can register for 1-12 hours of xxx:629R and apply it to the degree as additional credits required, as long as no more than 6 semester hours are taken per semester. xxx:629R cannot be applied to the required minimum hours for the degree or the required minimum hours of 6000-level for the degree program.

3. Complete the course requirements for a specific major and any additional courses designated by the departmental committee.

4. Meet the seven-year recency of credit requirement.

5. Complete at least one substantial written report documenting research, a project or an internship, as specified by the student's graduate program. This document must be supervised by at least one regular member of the graduate faculty, approved by the department and permanently filed with the departmental office. This requirement is reported to the Graduate College upon completion by the student's department via electronic form found at grad.uni.edu.

6. Meet the residence credit requirement.

7. **Application for graduation**

It is the student's responsibility to make a timely application to graduate during the term the final degree requirements are completed. Application for graduation must be completed online through MyUNIverse Student Center. **Application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students' names can be included in the commencement publication. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term. Late fees apply.

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Spring or Fall commencement as indicated below.

Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

a. Spring graduate degree candidates must submit their application by April 1.

b. Fall graduate degree candidates must submit their application by November 10.

c. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the appropriate paragraph immediately below:

Summer Graduation -Master's and Specialist Degree Students*:* Students who will complete their degree requirements in summer, and who apply by April 1 for summer graduation (degree conferral), are eligible to participate in Spring commencement. Students who will complete their degree requirements in summer and who apply after April 1 for summer graduation (degree conferral) are only eligible to participate in fall commencement.

Other Requirements and Criteria for Master's Degree Students

1. **Examinations**

   Master's degree students on either the thesis or non-thesis plan may be required to pass a comprehensive examination. These examinations are reported to the Graduate College by the student's department via electronic form found at grad.uni.edu.

2. **Research credit**

   Registration for xxxx 6299 Research (where xxxx is the department subject area) will not be accepted until the student has submitted a statement or outline of the proposed research project and has secured the approval of the person directing the research project and the head of the appropriate department. A copy of the completed research report, approved by the director of the

research project and the department head, should be filed with the departmental office.

Research carries residence credit and may be pursued either on or off campus.

a. **Thesis Plan - Credit Hours**

The total number of credit hours of research permitted for thesis work will vary with the program. Master's theses (M.A., M.A.E.) include a 6-9 hour research credit requirement. The M.S. thesis option requires a maximum of 9 credit hours of research. However, in all cases, to earn research credit the student registers for the appropriate numbered course (xxx:6299), **not more than 6 hours in any semester**. The instructor may assign an *RC* for *Research Continued*, if the instructor feels the work has not reached the stage where it can be evaluated.

In conjunction with the Graduate College, the Registrar may authorize an extension of time for the completion of *Research Continued (RC)* in research up to one additional calendar year with the consent of the instructor (beyond the 48 month duration). If at the end of that time the work has not been completed, the grade of *RC* will be changed to an *F (Failure)*. Once the extended instructional period is finished, the *RC* grade will be replaced with the appropriate grade assigned by the instructor. If the *RC* grade is not replaced with an appropriate grade within an instructional period, the *RC* will be automatically entered as an *F* on the student record after 48 months.

3. **Thesis**

A thesis is required of all students who choose the thesis option. Because the thesis is considered to serve a functional need, no attempt is made to limit the topics considered acceptable. The thesis is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at https://guides.lib.uni.edu/thesis-and-dissertation-formatting/. This manual should be consulted prior to writing the thesis.

The thesis may take the form of studies, experiments, surveys, compositions, creative work and projects, and may concern itself with such matters as methodology, understanding children, and materials of instruction, or may delve rather deeply into some aspect of a specialized academic field. Whatever the nature of the subject, its development into an acceptable thesis is considered to contribute to the growth of such attributes as maturity of judgment, initiative, writing ability, and organizational ability. The thesis should make a contribution to the world's knowledge. Its preparation should develop in the writer a broader understanding of the world's knowledge and a more genuine appreciation of the research efforts of others.

a. **Selection of Thesis Topic**

Students following the thesis plan of study are urged to make at least a tentative selection of a topic by the end of their first semester.

b. **Thesis Committee**

Students on the thesis option must select a thesis committee in consultation with their academic advisors (usually within the first 9-18 credit hours of course work). They must file a Committee Appointment Form (available at https://grad.uni.edu/current-students) for Graduate College approval. The committee consists of a faculty chairperson, who must hold regular graduate faculty status, and two committee members, one of whom must hold regular graduate faculty status and the other may have either regular graduate faculty status or associate status. The student can add additional persons beyond the core composition of three members. The committee assists students to further define course work, supervises thesis research and writing, proposal requirements, and eventually accepts or rejects the thesis. Further committee responsibilities are outlined in the *Thesis and Dissertation Manual.*

c. **Thesis Proposal**

The student, in conjunction with the committee chair, should make arrangements to present the thesis proposal to the committee. Formal work on the thesis may not proceed without approval from the committee. Specifications of what fulfills the proposal requirements are determined by the program and department in conjunction with the Graduate College. Students should consult with the chair and program for details on fulfilling the thesis proposal.

d. **Formatting Assistance and Preliminary Checks**

Students may elect to attend a formatting workshop to guide them towards meeting the document formatting requirements for the thesis. Workshops are provided during Fall and Spring semesters and benefit students who have a proposal draft, or equivalent to three chapters.

Students may also choose to send a copy to the Reviewer for a preliminary check. This should occur as early as the semester in which the proposal is approved. This check will be an abridged session which will cover all components of the final review.

Students may also schedule appointments with the Reviewer for further assistance.

e. **Graduate College Review Deadline and Oral Defense to Committee**

The Graduate College Review and Oral Defense may occur in any order so long as the work is submitted to the Graduate College by the review deadline for the semester of completion. These processes may be occurring simultaneously. Because of this, the sections below include information on both processes.

i. **Graduate College Review -** In the semester of intended completion, the student must submit an electronic copy of the thesis to the Graduate College for review. This does not need to be a final copy of the document, but should be close to the end product.

This review will point out errors of style and provide a citation review. Common errors will not be identified throughout the whole document; rather, students will be guided to understand the common error with the

expectation they will apply it throughout the document. All corrections requested at the time of review must be completed prior to submission.

Appointments with the Reviewer may help direct the student's understanding of the corrections and the student should work with the committee to ensure these corrections properly reflect the expectation of their field.

The review deadline for Fall and Spring semesters is **six weeks prior to commencement**. For summer deadlines, see the section on summer term and deadlines.

ii. **Oral Defense to Committee -** All students must have a formal oral defense of their thesis before a committee, which must meet the composition noted in the section above. Upon successful completion of the defense, the student is required to submit the electronic Thesis Approval Form (available at https://grad.uni.edu/current-students). Note: this form will go to the chair for approval before being sent to the Graduate College. This form will not be approved by the Graduate College until final approval is granted (see section on final approval below) so the student should not wait for a notification and should continue the process of submitting their work.

The student may choose to bring print copies of the approval page (located within the formatted thesis document, page ii) to the defense to be signed by the committee for personal use (e.g. use in binding a print copy for their personal libraries). The Graduate College does not require this and does not facilitate the binding of personal copies. The student should obtain committee members' signatures and then submit the page(s) to the Graduate College office, for the dean's signature, along with a mailing address for them to be returned to upon final approval. This should be printed on white, acid free, 25% *or* 100% cotton paper.

While there is no official deadline for oral defenses at the Graduate College level (students should contact their departments for any internal deadlines), students should aim to complete this defense with enough time to make any final changes prior to the semester submission deadline.

f. **Submission Deadline and Process -** Submission of the thesis may occur once the committee's approval of the content and the oral defense is granted and all requirements at the departmental level have been satisfied. The student must have met all of the expectations outlined at the time of the review. Submission of a thesis includes: (1) sending an electronic copy of the final thesis to the Graduate College for a final check and (2) submission of the electronic Thesis Approval Form (available at https://grad.uni.edu/current-students). Note: Submission **does not** guarantee final approval.

The submission deadline for Fall and Spring semesters is **two weeks prior to commencement**. For summer deadlines, see the section on summer term and deadlines.

i. **Final Check -** Once the final copy has been submitted to the Graduate College, the final check process will begin. This check will ensure that any minor revisions necessary to meet requirements are clarified to the student and made in a timely manner. Matters of citation management and proper use, as well as document formatting, will be checked at this time. If a submitted thesis requires more substantial corrections at the time of the final check, the student will receive direction on what corrections and edits they must make to be approved and given a new timeline to re-submit. **Substantial corrections and/or missing the deadlines outlined in the updated timeline may delay approval to a future semester**.

ii. **Final Approval -** Students will be granted final approval upon fulfilling any final corrections requested during the final check. Students need to submit the Library Permission to Preserve Form, sent to them at the time of approval, for Rod Library's ScholarWorks unit. This form dictates the approved levels of access to the electronic thesis through UNI's digital repository. Chairs should discuss any needs for embargo periods, to allow for publication, or restrictions to the student's work that the student should consider. It ultimately is up to the student, as the scholar, to determine which levels of access best suit their needs. Upon receipt of the Library Permission to Preserve Form, the thesis approval process is finalized and a notification is sent to the Office of the Registrar to record the completion of the requirement. If a student sent paper copies of their approval page to the Graduate College, they receive the dean's signature at this time.

iii. **Thesis Fee -** All thesis students are billed a one-time, nonrefundable thesis fee for the support, processing, and retention of the work. Information about fees is maintained by the Registrar's Office at https://registrar.uni.edu/tuition-and-fees. This fee will be applied to the U-Bill at the time of final approval.

g. **Summer Term and Deadlines -** Due to the nature of summer term, the deadline for review and submission of the thesis follows a different timeline than fall and spring.

- Students must submit for the review deadline during the spring term immediately preceding the summer in which they intend to complete their thesis.
- **The final submission must be made by the final day of class in the summer term.**
- Students must consult with their committee and department to ensure availability to assist the student with completing their research and defending over the summer term. It is recommended that departments draft a memorandum of understanding with faculty who are not on contract; however, students are ultimately responsible for clearly communicating their intent with their committee and forming an agreeable schedule with everyone involved.

Summary of Hour Requirements and Limits

A summary of the hour requirements and limits for both the thesis and the non-thesis plans is listed below. Some degrees have higher minimum hour requirements. **Additional hours may be required**

by departments for individuals on specific programs or special objectives. There are no exceptions to the maximum hour limits.

Thesis

Minimum graduate hours required *	30
Minimum hours of credit at UNI unique to the particular degree (two-thirds of minimum hours for degree)	20
Minimum hours required in courses numbered 6000 and above at UNI †	15
Maximum usable hours in transfer, guided independent study and credit applied to other degrees combined **	10
Maximum usable hours of guided independent study credit (requires Graduate College preapproval)	3
Maximum usable hours of workshop credit ***	6
Maximum usable hours of opted non-graded credit (requires Graduate College preapproval)	3
Maximum usable hours of credit in C range (C-, C, C+)	6

*	Includes 6 to 9 hours for research (xxx:6299), depending on the master's program. Total hours depends on major chosen.
**	Up to one-third of the minimum hours required for the particular degree.
***	With the exception of CTLM courses for the Master of Arts in Interdisciplinary Studies.
†	Includes no more than 6 hours research credit (xxx:6299) for thesis. Some departments have a higher minimum.

Non-thesis

Minimum graduate hours required *	30
Minimum hours of credit at UNI unique to the particular degree (two-thirds of minimum hours for degree)	20
Minimum hours required in courses numbered 6000 and above at UNI †	12
Maximum usable hours in transfer, guided independent study and credit applied to other degrees combined **	10
Maximum usable hours of guided independent study credit (requires Graduate College preapproval)	3
Maximum usable hours of workshop credit ***	6
Maximum usable hours of opted non-graded credit (requires Graduate college preapproval)	3
Maximum usable hours of credit in C range (C-, C, C+)	6

*	Includes at least one culminating paper. Total hours depends on major chosen.
**	Up to one-third of the minimum hours required for the particular degree.
***	With the exception of CTLM courses for the Master of Arts in Interdisciplinary Studies.
†	In some departments they may include no more than 3 hours of Research (xxx:6299).

Second Master's Degree

Students may pursue a second master's degree at the University of Northern Iowa upon completion of the first master's degree or may pursue two separate master's degrees concurrently by meeting all requirements for the second degree. **Only 9 semester hours of work may be common to two Master's degrees, whether concurrent or sequential.** All university graduation requirements including completion of 6000-level course work, and all other specific requirements shall be met for the second major, in addition to work completed for the first major. In the case of concurrent Master's degrees, common research project/thesis and comprehensives are permissible.

Master's Degree Concurrent With or After a Doctoral Degree

A maximum of six hours of graduate credit applied to meet the requirements of a doctoral degree may be applied to both the doctoral degree and an additional graduate degree beyond the first Master's degree. No course may apply to both the first Master's degree and a doctoral degree.

Master of Accounting Degree

Students interested in the Master of Accounting (MAcc) degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Accounting for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply.

Students who plan to receive the degree Master of Accounting (MAcc) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements.

Refer to Department of Accounting in this University Catalog for program requirements.

Master of Arts Degree

Students interested in the Master of Arts degree program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the appropriate department for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply**.**

The Master of Arts degree encompasses various types of programs. Some programs lead to licensing as a professional, while many are focused on research and/or preparation for doctoral programs. Several programs develop the content knowledge of practicing teachers; some prepare students for other career areas. The common thread in all Master of Arts programs is the focus on building the student's expertise in the subject and development of the student as a professional in the broadest sense of the word.

Students who plan to receive the degree Master of Arts (M.A.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements. See individual department sections as noted below for specific major requirements. In most majors both the thesis and the non-thesis plans are available. For an accurate listing of programs, visit the Graduate College website: https://grad.uni.edu/degree/master-arts-ma

A number of curricula lead to the degree of Master of Arts. The following majors are offered:

- Art Education (Department of Art)
- Athletic Training (MATR) (Department of Kinesiology & Athletic Training (p. 287))
- Community Health and Recreation (Department of Health, Recreation and Community Services)
- Communication and Media (Department of Communication and Media)
- Counseling (Department of Family, Aging & Counseling (p. 215))
- English (Department of Languages and Literatures)
- Geography (Department of Geography)
- History (Department of History)
- Interdisciplinary Studies (Interdisciplinary)
- Kinesiology and Sport Performance (Department of Kinesiology & Athletic Training (p. 287))
- Learning Technologies and Instructional Design (Department of Curriculum and Instruction)
- Mathematics (Department of Mathematics)
- Mathematics for the Elementary and Middle Grades (K-8) (Department of Mathematics)
- Music (School of Music)
- Philanthropy and Nonprofit Development (Interdisciplinary)
- Physical Education: Pedagogy (Department of Kinesiology & Athletic Training (p. 287))
- Postsecondary Education: Student Affairs (Department of Educational Psychology, Foundations, and Leadership Studies)
- Psychology (Department of Psychology)
- School Library Studies (Department of Curriculum and Instruction)
- Science Education (Science Education)
- Social Science (Social Science)
- Speech-Language Pathology (Department of Communication Sciences and Disorders)
- Teacher Leadership for International Educators (currently suspended) (Department of Educational Psychology, Foundations, and Leadership Studies)
- Teaching English in Secondary Schools (Department of Languages and Literatures)
- Teaching English to Speakers of Other Languages (TESOL) (Department of Languages and Literatures)
- TESOL/Modern Languages (Department of Languages and Literatures)
- Women’s and Gender Studies (Interdisciplinary and College of Social and Behavioral Sciences)

Master of Arts in Education Degree

Students interested in the Master of Arts in Education degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the appropriate department for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply.

This degree is designed for students whose work is primarily in professional education. Both the thesis and non-thesis plans are available.

Many programs at this level carry with them the requirements for teacher licensure. In some cases, students may be building up competency in a field in which they have had little or no preparation at the bachelor's level. For these reasons some of the programs must carry with them a substantial number of specific requirements. Whenever possible, however, an effort is made to keep the specific course requirements for each major at a minimum, so students, with the help of their advisor and the departmental committee, may plan the graduate program which will best meet the students’ individual needs.

Students who plan to receive the degree Master of Arts in Education (M.A.E.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master’s program as described in this University Catalog and the specific major requirements. See individual department sections as noted below or contact the head of the department offering the major for specific major requirements.

The following majors are offered:

Department of Curriculum and Instruction

- Early Childhood Education
- Elementary Education
- Literacy Education

Department of Educational Psychology, Foundations, and Leadership Studies

- Educational Psychology: Context and Techniques of Assessment
- Principalship

Department of Special Education

- Special Education

Master of Athletic Training Degree

Students interested in pursuing this major must apply and be formally admitted to this program. Students should apply for the Master of Athletic Training program through the Graduate College and Admissions. Program admission is based on undergraduate GPA, completion of prerequisite courses, program application materials, and

admission to the Graduate College. Students interested in the program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Division of Athletic Training (within the Department of Health, Recreation and Community Services) for program application materials or for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply. Applications will be due by February 1 of each year. Decisions and admittance into the program will be announced by mid-March.

The Master of Athletic Training major is designed to prepare students to become athletic training professionals. It prepares students for the National Athletic Training Board of Certification Examination as well as eligibility for an Athletic Training License in the State of Iowa. The curriculum is based upon cognitive and psychomotor learning experiences. The athletic training education program is accredited by the Commission on the Accreditation of Athletic Training Education (CAATE).

Students who plan to receive the degree Master of Athletic Training (MATR) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements. .

Refer to Department of Kinesiology & Athletic Training (p. 287) in this University Catalog for major program requirements.

Master of Business Administration Degree

Students interested in the Master of Business Administration degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the College of Business for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply.

Graduate study in business at UNI provides a broad-based, integrated program which emphasizes the functional areas of business in order to provide the graduate with a balance between theoretical knowledge and practical business operations. The M.B.A. curriculum is designed to meet the needs of students with undergraduate backgrounds in the liberal arts, sciences, and engineering, as well as those with degrees in business. The M.B.A. program is accredited by AACSB International, the primary accrediting organization for management education. The program is offered in a face-to-face format at an off-campus location.

The plan of study prescribed for the degree is structured to develop graduates who will have acquired:

1. an understanding of the theoretical and practical aspects of the process of policy formulation and implementation;
2. a comprehension of environmental factors-economic, legal, social, and political-which affect the individual in the performance of managerial responsibilities;
3. an understanding of analytical techniques and the use of quantitative data in the administration of business controls;
4. the ability to communicate ideas effectively in oral and written form; and
5. a basic knowledge of selected functional areas of business administration.

Admission to the Master of Business Administration program is dependent upon the quality of the applicant's undergraduate record, the score on the Graduate Management Admission Test (GMAT), and writing skills demonstrated on the addendum to the application. The GMAT must be taken prior to acceptance into the program.

Students who plan to receive the degree Master of Business Administration (M.B.A.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements.

Refer to Master of Business Administration in this University Catalog for program requirements - to view on website go to www.uni.edu/catalog/collegeofbusinessadministration; to view PDF version go to "Interdisciplinary" section of the catalog.

Master of Music Degree

Students interested in the Master of Music degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply**.**

Students wishing to take a course for graduate credit in the School of Music or wishing to pursue a degree program in this department must consult with the ***Associate Director for Graduate Studies in Music*** *prior to registration for the course. Detailed information concerning requirements and procedures will be provided, and specific evidence of previous accomplishments will be reviewed.*

The Master of Music degree is a professional degree designed to prepare the graduate for:

1. enhanced opportunity in public and private school music teaching,
2. a college teaching career,
3. a performance career as a professional musician or composer, or
4. further graduate work at the doctoral level.

The following majors are offered:

- Composition
- Conducting
- Jazz Pedagogy
- Music Education
- Music History
- Performance
- Piano Performance and Pedagogy

Applicants for a graduate degree program in the School of Music should possess the baccalaureate degree in music or a demonstrated equivalent. Students should have attained a high degree of proficiency in one or more of the following areas:

- performance
- theory-composition
- conducting
- music education
- music history

Students who plan to receive the degree Master of Music (M.M.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements.

Refer to School of Music in this University Catalog for specific admission and major program requirements (website www.uni.edu/catalog/collegeofhumanitiesartsandsciences/schoolofmusic)

Master of Public Policy

Students interested in the Master of Public Policy degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Political Science for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply.

The Master of Public Policy is a professional interdisciplinary degree program providing specialized and advanced training for students wishing to assume roles as policy analysts, principally in the governmental and nonprofit sectors of society.

Core courses in the program provide thorough coverage of the contributions of political science and other disciplines to the analysis of public policy. The core also includes methods courses that provide training in the rigorous methods of policy analysis and evaluation required of professionals in the field. Topical courses allow students to develop an understanding of substantive areas of policy analysis. Research requirements allow students to apply theory and methods to actual policy problems.

Students who plan to receive the degree Master of Public Policy (M.P.P.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements.

Refer to Department of Political Science in this University Catalog for program requirements.

Master of Science Degree

Students interested in the Master of Science degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the appropriate department for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply.

Students who plan to receive the degree Master of Science (M.S.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements.

See individual department sections as noted below for specific major program requirements.

The following majors are offered:

- Biology (Department of Biology)
- Technology (Department of Applied Engineering & Technical Management)

Master of Social Work Degree

Students interested in the program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Social Work for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply.

The Master of Social Work program is accredited by the Council on Social Work Education.

The mission of the University of Northern Iowa's Master of Social Work degree program is to prepare students for trauma informed practice or social administration. There is commitment to serve the community and to contribute new knowledge to the field. Students and faculty are also committed to creating environments that enhance optimal human potential and growth. Theoretical underpinnings and learning environment are based on systems and strengths perspectives. Advocacy and promotion of cultural sensitivity, human rights, and social and economic justice are central to the program.

Students who plan to receive the degree Master of Social Work (M.S.W.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements. .

Refer to Master of Social Work in this University Catalog for major program requirements.

Professional Science Master's Degree (suspended)

Students interested in the Professional Science Master's degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the appropriate department for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply.

The Professional Science Master's degree combines scientific or technical training with abbreviated business training and interdisciplinary cohort-building experiences.

Students who plan to receive the Professional Science Master's degree (P.S.M.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements.

See individual department sections as noted below for specific major program requirements.

The following majors are offered:

- Industrial Mathematics (Department of Mathematics)

Specialist in Education Degree

Students interested in the Specialist in Education degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Educational Psychology, Foundations, and Leadership Studies for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/apply.

The following major is offered in the Department of Educational Psychology, Foundations, and Leadership Studies:

- School Psychology

Refer to Department of Educational Psychology, Foundations, and Leadership Studies in this University Catalog for program requirements.

Graduation Requirements

1. Students shall complete the general requirements for the Specialist in Education degree and shall meet the requirements as specified by the departmental committee using a combination of graduate courses taken for the master's degree and beyond.

2. **Hours of credit**

   A student must earn a minimum of 36 semester hours of graduate credit beyond the master's degree. Credit earned in excess of that required for the master's degree may be applied toward the 36-hour requirement if that credit is earned during the final semester. Certain limitations on the amount and kinds of credit must be observed. See also the Common Regulations and Requirements for All Graduate Programs:

   a. **6000-level credit**

      A student must earn at least 15 semester hours of credit in courses numbered 6000 or above.

   b. **Research credit**

      For the thesis option, not more than 6 hours of research credit (xxx:6299) can be included in the 36 (or more) hours of post-master's credit. For the non-thesis option, not more than 3 hours of research credit (xxx:6299) can be included in the 36 (or more) hours of post-master's credit.

      i. **Thesis Credit Hours**

         The work on a thesis will involve 6 hours of research credit (xxx:6299). To earn this credit, a student registers for *Research* and usually not in one block. The instructor may assign a grade for a semester's registration in research based upon the progress made, or may assign a *Research Continued (RC)* if the instructor feels the work has not reached the place where it can be evaluated. In conjunction with the Graduate College, the Registrar may authorize an extension of time for the completion of *Research Continued (RC)* in research up to one additional calendar year with the consent of the instructor (beyond the 48 month duration). Once the instructional period is finished, the *RC* grade will be replaced with the appropriate grade assigned by the instructor. If the *RC* grade is not replaced with an appropriate grade within an instructional period, the *RC* will be automatically entered as an *F (Failure)* on the student record after 48 months.

   c. **Time Limitation (Recency of credit)**

      See the Common Regulations and Requirements for All Graduate Programs.

   d. **Transfer credit**

      In addition to the transfer credit permitted on the master's degree (see the Common Regulations and Requirements for All Graduate Programs), 8 semester hours of transfer credit for *post*-master's work may be applied toward the degree of Specialist in Education.

   e. **Guided Independent Study credit**

      See the Common Regulations and Requirements for All Graduate Programs.

   f. **Workshop credit**

      See the Common Regulations and Requirements for All Graduate Programs.

3. **Scholarship**

   A cumulative grade index of 3.00 (B average) must be earned as graduate students in all courses on the advisement report. No credit toward graduation is allowed for a course in which a grade below C- is earned. See also the Common Regulations and Requirements for All Graduate Programs.

4. **Residence requirement**

   See the Common Regulations and Requirements for All Graduate Programs.

5. **Examinations**

   Students must pass a comprehensive written and oral examination. These examinations are reported to the Graduate College by the student's department via electronic form found at grad.uni.edu.

6. **Thesis**

   A thesis is required of all students who choose the thesis option. Because the thesis is considered to serve a functional need, no attempt is made to limit the topics considered acceptable. The thesis is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at https://guides.lib.uni.edu/thesis-and-dissertation-

formatting/. This manual should be consulted prior to writing the thesis.

The thesis may take the form of studies, experiments, surveys, compositions, creative work and projects, and may concern itself with such matters as methodology, understanding children, and materials of instruction, or may delve rather deeply into some aspect of a specialized academic field. Whatever the nature of the subject, its development into an acceptable thesis is considered to contribute to the growth of such attributes as maturity of judgment, initiative, writing ability, and organizational ability. The thesis should make a contribution to the world's knowledge. Its preparation should develop in the writer a broader understanding of the world's knowledge and a more genuine appreciation of the research efforts of others.

a. **Selection of Thesis Topic**

Students following the thesis plan of study are urged to make at least a tentative selection of a topic by the end of their first semester.

b. **Thesis Committee**

Students on the thesis option must select a thesis committee in consultation with their academic advisors (usually within the first 9-18 credit hours of course work). They must file a Committee Appointment Form (available at https://grad.uni.edu/current-students) for Graduate College approval. The committee consists of a faculty chairperson, who must hold regular graduate faculty status, and two committee members, one of whom must hold regular graduate faculty status and the other may have either regular graduate faculty status or associate status. The student can add additional persons beyond the core composition of three members. The committee assists students to further define course work, supervises thesis research and writing, proposal requirements, and eventually accepts or rejects the thesis. Further committee responsibilities are outlined in the *Thesis and Dissertation Manual.*

c. **Thesis Proposal**

The student, in conjunction with the committee chair, should make arrangements to present the thesis proposal to the committee. Formal work on the thesis may not proceed without approval from the committee. Specifications of what fulfills the proposal requirements are determined by the program and department in conjunction with the Graduate College. Students should consult with the chair and program for details on fulfilling the thesis proposal.

d. **Formatting Assistance and Preliminary Checks**

Students may elect to attend a formatting workshop to guide them towards meeting the document formatting requirements for the thesis. Workshops are provided during Fall and Spring semesters and benefit students who have a proposal draft, or equivalent to three chapters.

Students may also choose to send a copy to the Reviewer for a preliminary check. This should occur as early as the semester in which the proposal is approved. This check will be an abridged session which will cover all components of the final review.

Students may also schedule appointments with the Reviewer for further assistance.

e. **Graduate College Review Deadline and Oral Defense to Committee**

The Graduate College Review and Oral Defense may occur in any order so long as the work is submitted to the Graduate College by the review deadline for the semester of completion. These processes may be occurring simultaneously. Because of this, the sections below include information on both processes.

i. **Graduate College Review -** In the semester of intended completion, the student must submit an electronic copy of the thesis to the Graduate College for review. This does not need to be a final copy of the document, but should be close to the end product.

This review will point out errors of style and provide a citation review. Common errors will not be identified throughout the whole document; rather, students will be guided to understand the common error with the expectation they will apply it throughout the document. All corrections requested at the time of review must be completed prior to submission.

Appointments with the Reviewer may help direct the student’s understanding of the corrections and the student should work with the committee to ensure these corrections properly reflect the expectation of their field.

The review deadline for Fall and Spring semesters is **six weeks prior to commencement**. For summer deadlines, see the section on summer term and deadlines.

ii. **Oral Defense to Committee -** All students must have a formal oral defense of their thesis before a committee, which must meet the composition noted in the section above. Upon successful completion of the defense, the student is required to submit the electronic Thesis Approval Form (available at https://grad.uni.edu/current-students). Note: this form will go to the chair for approval before being sent to the Graduate College. This form will not be approved by the Graduate College until final approval is granted (see section on final approval below) so the student should not wait for a notification and should continue the process of submitting their work.

The student may choose to bring print copies of the approval page (located within the formatted thesis document, page ii) to the defense to be signed by the committee for personal use (e.g. use in binding a print copy for their personal libraries). The Graduate College does not require this and does not facilitate the binding of personal copies. The student should obtain committee members’ signatures and then submit the page(s) to the Graduate College office, for the dean’s signature, along with a mailing address for them to be returned to upon final approval. This should be printed on white, acid free, 25% *or* 100% cotton paper.

While there is no official deadline for oral defenses at the Graduate College level (students should contact their departments for any internal deadlines), students should aim to complete this defense with enough time to make any final changes prior to the semester submission deadline.

f. **Submission Deadline and Process -** Submission of the thesis may occur once the committee's approval of the content and the oral defense is granted and all requirements at the departmental level have been satisfied. The student must have met all of the expectations outlined at the time of the review. Submission of a thesis includes: (1) sending an electronic copy of the final thesis to the Graduate College for a final check and (2) submission of the electronic Thesis Approval Form (available at https://grad.uni.edu/current-students). Note: Submission **does not** guarantee final approval.

The submission deadline for Fall and Spring semesters is **two weeks prior to commencement**. For summer deadlines, see the section on summer term and deadlines.

i. **Final Check -** Once the final copy has been submitted to the Graduate College, the final check process will begin. This check will ensure that any minor revisions necessary to meet requirements are clarified to the student and made in a timely manner. Matters of citation management and proper use, as well as document formatting, will be checked at this time. If a submitted thesis requires more substantial corrections at the time of the final check, the student will receive direction on what corrections and edits they must make to be approved and given a new timeline to re-submit. **Substantial corrections and/or missing the deadlines outlined in the updated timeline may delay approval to a future semester**.

ii. **Final Approval -** Students will be granted final approval upon fulfilling any final corrections requested during the final check. Students need to submit the Library Permission to Preserve Form, sent to them at the time of approval, for Rod Library's ScholarWorks unit. This form dictates the approved levels of access to the electronic thesis through UNI's digital repository. Chairs should discuss any needs for embargo periods, to allow for publication, or restrictions to the student's work that the student should consider. It ultimately is up to the student, as the scholar, to determine which levels of access best suit their needs. Upon receipt of the Library Permission to Preserve Form, the thesis approval process is finalized and a notification is sent to the Office of the Registrar to record the completion of the requirement. If a student sent paper copies of their approval page to the Graduate College, they receive the dean's signature at this time.

iii. **Thesis Fee -** All thesis students are billed a one-time, nonrefundable thesis fee for the support, processing, and retention of the work. Information about fees is maintained by the Registrar's Office at https://registrar.uni.edu/tuition-and-fees. This fee will be applied to the U-Bill at the time of final approval.

g. **Summer Term and Deadlines -** Due to the nature of summer term, the deadline for review and submission of the thesis follows a different timeline than fall and spring.

- Students must submit for the review deadline during the spring term immediately preceding the summer in which they intend to complete their thesis.
- **The final submission must be made by the final day of class in the summer term.**
- Students must consult with their committee and department to ensure availability to assist the student with completing their research and defending over the summer term. It is recommended that departments draft a memorandum of understanding with faculty who are not on contract; however, students are ultimately responsible for clearly communicating their intent with their committee and forming an agreeable schedule with everyone involved.

7. **Non-Thesis Option**

Complete at least one substantial written report documenting research, a project or an internship, as specified by the student's graduate program. This document must be supervised by at least one regular member of the graduate faculty, approved by the department and permanently filed with the departmental office. This requirement is reported to the Graduate College upon completion by the student's department via electronic form found at grad.uni.edu.

8. **Licensure**

In some cases, appropriate teaching endorsement will be recommended for those who meet the standards set by the university in conjunction with the appropriate licensure agency. Receipt of the degree is not a necessary prerequisite to recommendation for the appropriate endorsement(s) unless state standards require such. **A UNI cumulative grade point average of 3.00 or better will be required prior to recommendation for endorsement(s).** Students seeking licensure will need to consult the Registrar's Office for further guidance, and submit an undergraduate, post-baccalaureate application (see Post-baccalaureate, Undergraduate Study in this university catalog).

9. **Exit Requirement**

Before graduating with the Specialist in Education degree, the student must take the Praxis II test in School Psychology (number 0400) and submit a copy of the complete Examinee Score Report to the program coordinator.

10. **Application for Graduation**

It is the student's responsibility to make a timely application to graduate during the term the final degree requirements are completed. Application for graduation must be completed online through MyUNIverse Student Center. **Application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students' names can be included in the commencement publication. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term. Late fees apply.

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Spring or Fall commencement as indicated below.

Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

a. Spring graduate degree candidates must submit their application by April 1.

b. Fall graduate degree candidates must submit their application by November 10.

c. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the appropriate paragraph immediately below:

   Summer Graduation -Master's and Specialist Degree Students*:* Students who will complete their degree requirements in summer, and who apply by April 1 for summer graduation (degree conferral), are eligible to participate in Spring commencement. Students who will complete their degree requirements in summer and who apply after April 1 for summer graduation (degree conferral) are only eligible to participate in fall commencement.

Doctor of Education Degree

The Doctor of Education Degree is one degree supervised through the College of Education. It can be completed with one of the following *Intensive Study Area* concentrations:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*
- *Educational Leadership*
- *Postsecondary Education: Student Affairs*

Students interested in the interdisciplinary Doctor of Education (Ed.D.) degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

This program is intended to provide practicing educators, informal and nonformal settings, the opportunity to continue their study and earn the terminal professional degree in their field. The Ed.D. degree requires a **minimum of 48 semester hours of credit beyond the master's degree**. There are three components to the program:

Professional Common Core (work in educational foundations, fundamentals, and research)	24
Advanced Professional Study (in one of three areas of intensive study)	15
Dissertation	9
Total Hours	**48**

By design, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice.

Note: Students interested in special education within the Curriculum and Instruction ISA or the Educational Leadership ISA should consult the respective ISA descriptions for further information.

In some areas, it is possible to combine doctoral degree study with work toward an endorsement to perform a particular role in K-12 education.

Brief definitions of the four ISAs follows:

Allied Health, Recreation, and Community Services

This area of intensive study is designed to provide students with advanced planning, management, supervision and evaluation of programs in the community and its institutions. The combined areas of allied health, recreation and community services are diverse professional areas knitted together by a unified commitment to enhancing, enriching and sustaining the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, or practitioners in public and environmental health departments, recreation and tourism industry; allied health and social services agencies; the military, government, and non-governmental agencies; religious organizations; libraries and museums; and civic and professional associations. The program of study will be based upon students' needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Head of the Department of Health, Recreation and community Services.)

Curriculum and Instruction

This area of intensive study is designed to prepare scholar practitioners to plan, implement, evaluate, and supervise educational programs for children, from infancy through adolescence, and adult learners, inclusive of a wide variety of diversity. Faculty in this intensive study area come from many departments and disciplines including, but not limited to, prekindergarten through tertiary curriculum and pedagogy; foundations of education in psychology, philosophy, social sciences; disability studies in education, gifted and talented, and multicultural education; literacy education; instructional technology, school library studies; and P-12 content areas such as mathematics, physical education, science, social studies, and language arts. Students interested in becoming special education scholar-practitioners to plan, implement, evaluate, and supervise educational programs for children and adult learners with an emphasis on inclusion and diversity will apply for admission through the Curriculum and Instruction Intensive Study Area. For more information see www.uni.edu/coe/departments/curriculum-instruction/graduate-study/doctoral-study.

Educational Leadership

This area of intensive study in education administration prepares personnel for leadership positions in PK-12 schools, post-secondary institutions, and other educational services or settings. Typical positions held by educators with the terminal degree focused on educational leadership include: principals, superintendents, school district central office administrators, professors of educational

leadership, special education directors at the Area Education Agency level or Department of Education administrators and consultants. Students interested in special education administration will apply for admission through Educational Psychology, Foundations, and Leadership Studies. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Postsecondary Education: Student Affairs

This area of intensive study in postsecondary education prepares personnel for leadership positions in colleges and universities. Typical positions held by educators with the terminal degree focused on postsecondary education include: department heads, directors, vice presidents, professors, and consultants. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Admission to Doctoral Study

Initial Admission

Application for graduate admission can be found at https://admissions.uni.edu/application.

Admission to the program will be granted to those applicants who provide evidence of prior academic success; successful and appropriate professional experience; effective oral, written, and interpersonal communication skills; and professional and academic goals that may be effectively served by the degree program offered. Additional criteria may be established by an area of intensive study since some previous specialization work is presumed.

1. The applicant must hold a master's degree from a regionally accredited institution of higher education.
2. Each applicant must submit official transcripts from all degree-granting universities, and from any colleges or institutions attended after earning their bachelor's degree.
3. Applicants may choose to submit one of the following required components, to be submitted to the Admissions Office.
   a. The Graduate Record Examination (GRE) is required for admission - including the verbal, analytical, writing, and qualitative scores; OR
   b. A writing sample (electronic) that reflects the applicant's writing ability from previous academic work. This professional writing sample may consist of a master's research paper or thesis, published article in an academic venue, or a paper presented at a professional conference.
4. The applicant must have a minimum of three years of professional experience.
5. Three letters of recommendation must be submitted from individuals familiar with the applicant's potential for advanced professional study, at least one from a professor familiar with the applicant as a student and at least one from an employer/supervisor in the applicant's profession.
6. Scores on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) are required from applicants whose first language is not English. The minimum required scores for regular admission without provision and eligibility to enroll in graduate courses is 550 (paper) / 79 (Internet) on the TOEFL or 6.5 on the IELTS. The requirement to submit these scores may be waived only by the Graduate College through a direct request from a graduate program (not from a prospective student). A typical circumstance in which a waiver may be granted is that the student has completed a bachelor's or graduate degree at an accredited English-speaking institution.
7. The UNI Ed.D. program requires a written statement from each applicant as part of the total application packet. The written statement should articulate the applicant’s professional background, reason for seeking the doctoral degree within the specific ISA, research interests, and a statement of career goals.
8. Applicants must have master’s level introduction to statistics coursework prior to beginning this program: KAHHS 6210 or equivalent.
   For applicants who do not have this requirement fulfilled, applicants should enroll in the online introduction to statistics course which will be available during the summer session prior to the fall start of the cohort for the Ed.D. program.

   Regular admission with provisions **may** be recommended for an applicant who does not meet all of the requirements or for whom it is felt that further graduate course work or professional experience would be useful in making the admission decision. Admission with provisions will not be considered for applicants whose admission files are incomplete. A student admitted with provisions must be formally reclassified as an unconditional admit and course work completed during that time must be subsequently approved by an appropriate faculty committee before it may be applied to a degree. Soon after admission, an advisor will be appointed for each student. In most instances, the advisor will be from the student's area of intensive study. The student should meet with the advisor to discuss the coursework to be submitted for approval for application to their 15-hour intensive study area.

General Regulations

See also the Common Regulations and Requirements for All Graduate Programs.

1. **Maximum academic load**

   See the Common Regulations and Requirements for all Graduate Programs.

2. **Credit from Other Institutions**

   All transfer credit, including work taken prior to formal admission, is subject to review by the Office of Admissions, Dean of the Graduate College or designee, Dean or Associate Dean of the College of Education, and the College Committee for Doctoral Study. The student's doctoral advisor and program coordinator will make recommendations regarding the applicability of transfer credit. Hours that have been applied to the first master’s degree cannot be transferred.

Credit from other Institutions: If applicants wish to have graduate level **transfer courses** considered for their graduate degree at UNI, official transcripts must be submitted to the UNI Office of Admissions at the time of admission to graduate study. Courses will not be evaluated for transfer credit eligibility until the student is in attendance at UNI. See https://admissions.uni.edu/apply for further information.

A maximum of 6 credits can be applied to both a doctoral degree and a second or third Master's degree or a Specialist degree.

A student must complete at least 36 hours of credit, including the Professional Common Core, with members of the UNI Graduate Faculty.

Graduation Requirements

1. **Scholarship**

   A cumulative grade point average of 3.00 or above (on a 4.00 scale) must be maintained for all course work taken toward the Doctor of Education degree at the University of Northern Iowa. No more than 6 semester hours of C credit (C-, C, C+) may be applied toward credit for graduation. A course with a grade lower than C- cannot be used to fulfill degree requirements. See also the Common Regulations and Requirements for All Graduate Programs.

2. **Hours of Credit**

   A minimum of 48 semester hours of credit beyond the master's degree is required. Students must complete the 24-credit Professional Common Core, the 15-credit Advanced Professional Study in one of four intensive study areas, and 9 credits of Dissertation Research.

   a. **Level of courses**

      Credit earned as part of the candidate's degree will be earned in courses which are at the graduate level (5000-level, 6000-level, or 7000-level). A minimum of 36 hours of course work at the 6000-level or 7000-level must be completed. No more than 12 hours of credit at the 5000-level may apply toward the minimum hours.

   b. **Research credit**

      9 hours of INTDEPED 7399 (p. 273) is required for the degree. No more than 9 hours of research may be taken. Departmental 7399 courses will not be used to add additional research hours to the degree and should not be taken. Master's-level Research courses 6299 cannot be applied to a doctoral degree. Directed Research 629R may be taken after all hours of have been registered for, but for no more than 12 hours total and for no more than 6 hours in a given term. 629R cannot be applied to the required minimum hours for the degree or the required minimum hours of 6000-level or 7000-level for the degree.

   c. **Dissertation Research Hours**

      The dissertation will involve 9 hours of credit. The instructor may assign an RC for Research Continued, if they feel the work has not reached the stage where it can be evaluated. In conjunction with the Graduate College, the Registrar may authorize an extension of time for the completion of *Research Continued (RC)* in research up to one additional calendar year with the consent of the instructor (beyond the 48 month duration). If at the end of that time the work has not been completed, the grade of *RC* will be changed to an *F (Failure).* Once the extended instructional period is finished, the *RC* grade will be replaced with the appropriate grade assigned by the instructor. If the *RC* grade is not replaced with an appropriate grade within an instructional period, the *RC* will be automatically entered as an *F* on the student record after 48 months.

3. **Time Limitation (Recency of credit)**

   Courses taken more than ten (10) years prior to the granting of the degree cannot be used to meet degree requirements. See the Common Regulations and Requirements for All Graduate Programs for information on extensions for military active duty or FMLA-type circumstances.

4. **Guided Independent Study**

   See the Common Regulations and Requirements for All Graduate Programs.

5. **Workshop credit**

   See the Common Regulations and Requirements for All Graduate Programs.

6. **Residence requirement**

   A student must complete 36 hours of credit, including the Professional Common Core, with members of the UNI Graduate Faculty.

7. **Assessments**

   The following examinations are required of all students enrolled in the Doctor of Education program:

   a. **Doctoral comprehensive requirement**

      The comprehensive requirement is aligned with the dissertation proposal presentation. Successful defense of the doctoral dissertation proposal will satisfy the comprehensive requirement of the program. Upon successful completion of the comprehensive requirement, the degree candidate achieves the status of an active candidate. Completion of the comprehensive requirement is reported to the Graduate College by the student's department via an electronic form. The doctoral comprehensive requirement is governed by the following conditions:

      i. The candidate will have completed a minimum of 30 hours of the program of study for a comprehensive examination.

      ii. The candidate will have satisfied the research proficiency requirement.

      iii. A candidate may be permitted to take the doctoral comprehensive examination a second time.

      Post-comprehensive registration

Doctoral students who have completed all of their program but the dissertation, and who have passed their comprehensive examination, must be continuously registered until the degree is completed. Students reaching this stage will be automatically registered and assessed a fee for , the post-comprehensive registration number. Students who have completed their coursework, but have not yet passed the INTDEPED 7300 Post Comprehensive Examination, will be automatically registered and assessed a fee for INTDEPED:629C Continuous Registration until they have met the eligibility criteria for INTDEPED 7300.

b. **Doctoral dissertation examination**

Upon completion of their doctoral dissertation, the active candidate will request and submit to a public examination over the content, methodology, and results of the dissertation research. An announcement of this examination (defense) should be disseminated by the COE Dean's Office no less than 2 weeks prior to the defense date.

8. **Dissertation**

A dissertation is required of all candidates for the Doctor of Education degree. Because the dissertation is considered to serve a functional need, no attempt is made to limit the topics considered applicable. The dissertation is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at https://guides.lib.uni.edu/thesis-and-dissertation-formatting/. This manual should be consulted prior to writing the dissertation.

The dissertation may take the form of studies, experiments, surveys, compositions, creative work and projects, and may concern itself with such matters as methodology, understanding children, and materials of instruction, or may delve rather deeply into some aspect of a specialized academic field. Whatever the nature of the subject, its development into an acceptable dissertation is considered to contribute to the growth of such attributes as maturity of judgment, initiative, writing ability, and organizational ability. The dissertation should make a contribution to the world's knowledge. Its preparation should develop in the writer a broader understanding of the world's knowledge and a more genuine appreciation of the research efforts of others.

a. **Selection of Dissertation Topic**

Students following the dissertation plan of study are urged to make at least a tentative selection of a topic early in their program.

b. **Dissertation Committee**

Doctoral candidates must form a committee consisting of a minimum of three core members. Two committee members, including the chair, must be current UNI graduate faculty and a third committee member may be a current UNI graduate faculty or outside member/practitioner holding associate graduate faculty status. The basic core composition will consist of a chair and two regular members. All members will be approved by the Graduate College in conjunction with the College of Education, to serve on the committee. The College of Education may elect to designate a member in a specific role at the discretion of COE's academic dean or representative.

Up to two additional committee members (readers or contributors) may be added at the discretion of the committee chair and the College of Education. These additional personnel may participate in all committee responsibilities except for signature decisions.

The committee assists students to further define course work, supervises dissertation research and writing, and eventually accepts or rejects the dissertation. Further committee responsibilities are outlined in the Thesis and Dissertation Manual. Candidates must file a Committee Appointment Form (available at https://grad.uni.edu/current-students) for Graduate College approval.

c. **Doctoral dissertation proposal**

The student, in conjunction with their advisor, should make arrangements to present the dissertation proposal to the doctoral committee as a group. Formal work on the dissertation may not proceed without approval from the committee. An announcement of proposed defense should be disseminated following the College of Education’s internal rules.

d. **Formatting Assistance and Preliminary Checks**

Students may elect to attend a formatting workshop to guide them towards meeting the document formatting requirements for their dissertation. Workshops are provided during Fall and Spring semesters and benefit students who have a proposal draft, or equivalent to three chapters.

Students may also choose to send a copy to the Reviewer for a preliminary check. This should occur as early as the semester in which the proposal is approved. This check will be an abridged session which will cover all components of the final review.

Students may also schedule appointments with the Reviewer for further assistance.

e. **Graduate College Review Deadline and Oral Defense to Committee**

The Graduate College Review and Oral Defense may occur in any order so long as the work is submitted to the Graduate College by the review deadline for the semester of completion. These processes may be occurring simultaneously. Because of this, the section includes information on both processes.

i. **Graduate College Review -** In the semester of intended completion, the student must submit an electronic copy of the dissertation to the Graduate College for review. This does not need to be a final copy of the document, but should be close to the end product.

This review will point out errors of style and provide a citation review. Common errors will not be identified throughout the whole document; rather students will be guided to understand the common error with the expectation they will apply it throughout the document.

All corrections requested at the time of review must be completed prior to submission.

Appointments with the Reviewer may help direct the student's understanding of the corrections and the student should work with their committee to ensure these corrections properly reflect the expectation of their field.

The review deadline for Fall and Spring semesters is **six weeks prior to commencement.** For summer deadlines, see the section on summer term and deadlines

ii. **Oral Defense to Committee -** All students must have a formal oral defense of their dissertation before a committee, which must meet the composition noted in the section above. Further information relevant to doctoral candidates is outlined in the Examinations section above. Upon successful completion of the defense, the student is required to submit the electronic EdD Dissertation Approval Form (available at https://grad.uni.edu/current-students). Note: this form will go to the chair for approval, as well as College of Education approvers, before being sent to the Graduate College. This form will not be approved by the Graduate College until final approval is granted (below) so the student should not wait for a notification and should continue the process of submitting their work.

The student may choose to bring print copies of the approval pages (the two title pages with signature lines, located within the formatted dissertation document) to the defense to be signed by the committee for personal use (e.g. use in binding a print copy for their personal libraries). The Graduate College does not require this and does not facilitate the binding of personal copies. The student should obtain committee members' signatures and then submit the page(s) to the Grad College office, for the dean's signature, along with a mailing address for them to be returned to upon final approval. This should be printed on white, acid free, 25% or 100% cotton paper.

While there is no official deadline for oral defenses at the Graduate College level (students should contact their departments for any internal deadlines), students should aim to complete this defense with enough time to make any final changes prior to the submission deadline. Announcement of the defense should follow the College of Education's guidelines.

f. **Submission Deadline and Process**

Submission of the dissertation may occur once the committee's approval of the content and the oral defense is granted and all requirements at the departmental level have been satisfied. The student must have met all of the expectations outlined at the time of the review. Submission for a doctoral dissertation includes: (1) sending an electronic copy of the final dissertation to the Graduate College for a final check, (2) submission of the electronic EdD Dissertation Approval Form (available at https://grad.uni.edu/current-students), and (3) submission of the Survey of Earned Doctorates which can be found at https://sed-ncses.org/login.aspx. Note: Submission **does not** guarantee final approval. The submission deadline for Fall and Spring semesters is **two weeks prior to commencement**. For summer deadlines, see the section on summer term and deadlines.

i. **Final Check -** Once the final copy has been submitted to the Graduate College, the final check process will begin. This check will ensure that any minor revisions necessary to meet requirements are clarified to the student and made in a timely manner. Matters of citation management and proper use, as well as document formatting, will be checked at this time.

If a submitted dissertation requires more substantial corrections at the time of the final check, the student will receive direction on what corrections and edits they must make to be approved and given a new timeline to re-submit. **Substantial corrections and/or missing the deadlines outlined in the updated timeline may delay approval to a future semester**.

ii. **Final Approval -** Students will be granted final approval upon fulfilling any final corrections requested during the final check. Students need to submit the Library Permission to Preserve Form, sent to them at the time of approval, for Rod Library's ScholarWorks unit. This form dictates the approved levels of access to the electronic dissertation through UNI's digital repository. Chairs should discuss any needs for embargo periods, to allow for publication, or restrictions to the student's work that the student should consider. It ultimately is up to the student, as the scholar, to determine which levels of access best suit their needs.

Upon receipt of the Library Permission to Preserve Form, the dissertation approval process is finalized and a notification is sent to the Office of the Registrar to record the completion of the requirement.

If a student sent paper copies of their approval page to the Graduate College, they receive the dean's signature at this time.

iii. **Dissertation Fee -** All doctoral students are billed a one-time, nonrefundable dissertation fee for the support, processing, and retention of the work. This fee will be applied to the U-Bill at the time of final approval.

g. **Summer Term and Deadlines**

Due to the nature of summer term, the deadline for review and submission of the dissertation follows a different timeline than fall and spring.

i. Students must submit for the review deadline during the spring term immediately preceding the summer in which they intend to complete their thesis.

ii. **The final submission must be made by the final day of class in the summer term.**

iii. Students must consult with their committee and department to ensure availability to assist the student with completing their research and defending over the summer term. It is recommended that departments draft a memorandum of understanding with faculty who are not on contract;

however, students are ultimately responsible for clearly communicating their intent with their committee and forming an agreeable schedule with everyone involved.

9. **Application for Graduation**

It is the student's responsibility to make a timely application to graduate during the term the final degree requirements are completed.

Application for graduation must be completed online through MyUNIverse Student Center. A non-refundable graduation fee is charged each term a student applies to graduate. **To avoid paying a late application fee, an application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students' names are eligible for inclusion in the commencement publication. Note that inclusion in the commencement publication is dependent upon meeting all requirements and receiving Graduate College approval. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a late application fee will be charged in addition to the normal graduation fee, and their names might not be included in the commencement publication. **Applications submitted after the end of the term will generally *not* be processed for degree conferral for the term just past.** If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term. Late fees apply.

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Fall commencement or thereafter as indicated below:

Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

a. Spring graduate degree candidates must submit their application by April 1.

b. Fall graduate degree candidates must submit their application by November 10.

c. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the paragraph immediately below:

d. ***Summer Graduation - Doctoral Degree Students****:* All summer doctoral candidates may only participate in fall commencement or thereafter.

Attendance at commencement

The candidate for the Doctor of Education degree is expected to secure the appropriate academic regalia and appear at commencement for the awarding of the degree. The candidate is not eligible to participate in commencement before the dissertation is submitted to the Graduate College and all degree requirements are met.

List of Programs by Department

(Undergraduate, Graduate, and Program Certificates)

All undergraduate and graduate programs (degrees/majors/minors/program certificates) are listed within the specific department offering the program.

Interdisciplinary programs or programs under the supervision of a college (i.e., M.B.A. in the College of Business) or several colleges, several departments, or committee(s) (rather than a specific department) are listed in the "Interdisciplinary" section *after* the Department of History.

Alphabetical listing by departments

Department of Accounting

- **Undergraduate Majors (B.A.)**
  - Accounting
- **Graduate Major (Macc)**
  - Master of Accounting

Department of Applied Engineering & Technical Management

- **Undergraduate Majors (B.S.)**
  - Automation Engineering Technology
  - Construction Management
  - Electrical Engineering Technology (EET)
  - Manufacturing Engineering Technology
  - Technology and Engineering Education-Teaching
- **Undergraduate Majors (B.A.)**
  - Graphic Technology
  - Technology Management
- **Minors**
  - Electrical and Electronics Technology (EET)
  - Graphic Technology
  - Manufacturing Technology Design
  - Materials Science and Technology (also listed in Department of Chemistry and Biochemistry and Department of Physics)
  - Technology Education - Teaching
- **Graduate Major (M.S.)**
  - Technology
- **Program Certificates**
  - Applied Systems Engineering Management (graduate certificate)
  - Technology Management

Department of Art

- **Undergraduate Major (B.F.A.)**
  - Art: Studio B.F.A.
- **Undergraduate Majors (B.A.)**
  - Art-Studio Emphasis
  - Art-Art History Emphasis
  - Art Education-Teaching
  - Graphic Design
- **Minors**
  - Art
  - Art Education-Teaching
  - Art History
- **Graduate Major (M.A.)**
  - Art Education
- **Program Certificate**
  - Museum Studies (also listed in Department of History)

Department of Biology

- **Undergraduate Major (B.S.)**
  - Biology
  - Environmental Science (also listed in Department of Earth and Environmental Sciences)
- **Undergraduate Majors (B.A.)**
  - Biology
  - Biology: Biomedical Emphasis
  - Biology: Ecology, Evolution and Organismal Biology Emphasis
  - Biology-Teaching
  - Environmental Resource Management (also listed in Department of Geography, Department of Earth and Environmental Sciences, Department of Health, Recreation and Community Services)
- **Minors**
  - Biology
  - Biology-Teaching
- **Graduate Major (M.S.)**
  - Biology

Department of Chemistry and Biochemistry

- **Undergraduate Majors (B.S.)**
  - Biochemistry
  - Chemistry
- **Undergraduate Majors (B.A.)**
  - Biochemistry
  - Chemistry
  - Chemistry-Teaching
- **Minors**
  - Chemistry
  - Materials Science and Technology (also listed in Department of Physics and Department of Applied Engineering & Technical Management)

Department of Communication and Media

- **Undergraduate Majors (B.A.)**
  - Communication (Liberal Arts)
  - Communication-Theatre-Teaching (also listed in Department of Theatre)
  - Communication/Digital Media
  - Communication/Public Relations
  - Interactive Digital Studies (also listed in Interdisciplinary section)
  - Political Communication (also listed in Department of Political Science)
- **Minors**
  - Business Communication (also listed in Department of Marketing and Entrepreneurship)
  - Communication
  - Communication-Theatre-Teaching (also listed in Department of Theatre)
  - Communication/Digital Journalism (Liberal Arts)
  - Communication/Digital Media Leadership
  - Communication/Public Relations
  - Digital Media Production
  - Interactive Digital Studies (also listed in Interdisciplinary section)
- **Graduate Major (M.A.)**
  - Communication and Media
- **Program Certificates**
  - Communication, Community, and Public Advocacy
  - Communication Education and Training (graduate certificate)
  - Conflict Resolution
  - Organizational Communication and Inclusive Leadership
  - Organizational Communication and Training
  - Performance, Rhetoric, and Advocacy (graduate certificate)
  - Public Relations in Entertainment
  - Strategic Communication (graduate certificate)
  - Visual Communication and Digital Media (graduate certificate)

Department of Communication Sciences and Disorders

- **Undergraduate Major (B.A.)**
  - Communication Disorders
- **Graduate Major (M.A.)**
  - Speech-Language Pathology

Department of Computer Science

- **Undergraduate Majors (B.S.)**
  - Computer Science
  - Networking and System Administration
- **Undergraduate Majors (B.A.)**
  - Computer Science
- **Minors**
  - Computer Science
  - Data Science (also listed in Department of Mathematics and Department of Physics)
- **Program Certificates**
  - Certificate in Computer Science
  - Certificate in Computer Science Education

Department of Curriculum and Instruction

- **Undergraduate Majors (B.A.)**
  - Early Childhood Education-Teaching
  - Elementary Education-Teaching (K-6 General Classroom Teacher)
  - Middle Level Education Dual Major-Teaching
- **Minors**
  - Early Childhood Education-Teaching
  - Educational Technology
  - Literacy Education-Teaching
  - Social & Emotional Learning
  - Social Studies (K-8)-Teaching
- **Graduate Majors (M.A.)**
  - Learning Technologies and Instructional Design
  - School Library Studies
- **Graduate Majors (M.A.E.)**
  - Early Childhood Education
  - Elementary Education
  - Literacy Education
- **Graduate Major (Ed.D.)**
  - Doctor of Education: Curriculum and Instruction intensive study area
- **Program Certificate**
  - Education of the Gifted
  - Learning Technologies Facilitator
  - Advanced Studies Certificate: Literacy Coach
  - Advanced Studies Certificate: Reading Recovery Teacher Leader

Department of Earth and Environmental Sciences

- **Undergraduate Majors (B.S.)**
  - Environmental Science (also listed in Department of Biology)
- **Undergraduate Majors (B.A.)**
  - Earth Science
  - Earth Science-Teaching
  - Environmental Resource Management (also listed in Department of Biology, Department of Geography, and Department of Health, Recreation and Community Services)
  - Environmental Science
- **Minors**
  - Air Quality
  - Astronomy
  - Earth Science
  - Earth Science-Teaching

- Environmental Assessment
- Environmental Earth Science
- Geology
- Hydrology

Department of Economics

- **Undergraduate Major (B.A.)**
  - Economics
- **Minor**
  - Economics-Liberal Arts
- **Program Certificates**
  - Health Care Administration for Business Majors (also listed in College of Business and Department of Health, Recreation and Community Services)
  - Health Care Administration for Non-Business Majors (also listed in College of Business and Department of Health, Recreation and Community Services)

Department of Educational Psychology, Foundations, and Leadership Studies

- **Minor**
  - Educational Studies
- **Graduate Majors (M.A.)**
  - Teacher Leadership for International Educators
  - Postsecondary Education: Student Affairs
- **Graduate Majors (M.A.E.)**
  - Educational Psychology: Context and Techniques of Assessment
  - Principalship
- **Graduate Major (Ed.S.)**
  - Specialist in Education: School Psychology
- **Graduate Major (Ed.D.)**
  - Doctor of Education:
    - Educational Leadership intensive study area
    - Postsecondary Education: Student Affairs intensive study area
- **Program Certificates**
  - Advanced Studies Certificate in Educational Leadership
    - Emphasis: Principalship
    - Emphasis: Superintendency Preparation
  - Schooling & the Future of Education

Department of Family, Aging & Counseling (p. 215)

- **Undergraduate Majors (B.A.)**
  - Family Services
  - Gerontology
    - Long Term Care
    - Social Sciences
  - Interior Design
  - Textile and Apparel
- **Minors**
  - Family Studies
  - Gerontology
  - Textile and Apparel
- **Graduate Major (M.A.)**
  - Counseling
    - Clinical Mental Health Counseling
    - School Counseling
- **Program Certificate**
  - Advanced Studies Certificate in Clinical Mental Health Counseling

Department of Finance

- **Undergraduate Majors (B.A.)**
  - Finance
  - Real Estate
- **Minors**
  - Finance (for Business Majors)
  - Finance (for Non-Business Majors)
  - Real Estate-Business
  - Real Estate
- **Program Certificate**
  - Commercial Banking
  - Financial Analysis (graduate certificate)
  - Financial and Real Estate Sales for Business Majors (also listed in Department of Marketing and Entrepreneurship)

Department of Geography

- **Undergraduate Major (B.S.)**
  - Geographic Information Science
- **Undergraduate Major (B.A.)**
  - Environmental Resource Management (also listed in Department of Biology, Department of Earth and Environmental Sciences, Department of Health, Recreation and Community Services)
  - Geography
- **Minor**
  - Geography-Liberal Arts
- **Graduate Major (M.A.)**
  - Geography
- **Program Certificates**
  - Crime Mapping and Analysis (also listed in Department of Sociology, Anthropology, and Criminology)
  - Geographic Information Systems (GIS) and Cartography
  - Unmanned Aerial Systems

Department of Health, Recreation and Community Services

- ***Interdisciplinary***
  - **Undergraduate Major (B.A.)**
    - Environmental Resource Management (also listed in Department of Biology, Department of Geography, and Department of Earth and Environmental Sciences)
- ***Recreation, Tourism and Nonprofit Leadership***

- **Undergraduate Major (B.A.)**
  - Recreation, Tourism and Nonprofit Leadership
- **Minor**
  - Recreation, Tourism and Nonprofit Leadership
- **Graduate Major (M.A.)**
  - Community Health and Recreation
- **Program Certificates**
  - Nonprofit Leadership
  - Outdoor Recreation
  - Tourism
  - Youth Work in Religious Settings (also listed in Department of Philosophy and World Religions)

- **College of Education**
  - **Graduate Major (Ed.D.)**
    - Doctor of Education: Allied Health, Recreation and Community Services intensive study area

Department of History

- **Undergraduate Majors (B.A.)**
  - History
    - Global Studies
    - Liberal Arts
  - History-Teaching
- **Minor**
  - History
  - Public History
- **Graduate Major (M.A.)**
  - History
- **Program Certificates**
  - Museum Studies (also listed in Department of Art)
  - Public History

Interdisciplinary Programs **(under the supervision and jurisdiction of a college or several colleges, several departments, or committees)**

- **Undergraduate Majors (B.A.)/Minors**
  - Business Teaching Major (requirements listed in College of Business)
  - General Studies Major
  - Individual Studies Major
  - Interactive Digital Studies Major (also listed in Department of Communication and Media)
  - Interactive Digital Studies Minor (also listed in Department of Communication and Media)
  - Liberal Studies, Bachelor of
  - International Business Minor
  - International Business Minor (Non-Business Majors)
  - Russian and East European Studies Minor
  - Studies in Sexuality, Women and Gender Minor (requirements listed in College of Social and Behavioral Sciences)
- **Undergraduate Majors (B.A.S.)**
  - Managing Business and Organizations (Continuing Education and Special Programs)
- **Graduate Majors (M.A.)**
  - Interdisciplinary Studies
  - Philanthropy and Nonprofit Development
  - Women's and Gender Studies (requirements listed in College of Social and Behavioral Sciences)
- **Graduate Major (M.B.A.)**
  - Master of Business Administration (requirements listed in College of Business)
- **Program Certificates**
  - Applied Business Concepts (Continuing Education and Special Programs)
  - Business Administration (requirement listed in College of Business)
  - Health Care Administration for Business Majors (also listed in Department of Economics and Department of Health, Recreation and Community Services)
  - Health Care Administration for Non-Business Majors (also listed in Department of Economics and Department of Health, Recreation and Community Services)
  - International Business, Culture, and Language (also listed in Department of Languages and Literatures)
  - Museum Studies (also listed in Department of Art and Department of History)
  - Sustainability
  - Graduate Certificate in Women's and Gender Studies (requirements listed in College of Social and Behavioral Sciences)

Iowa Lakeside Lab

Department of Kinesiology & Athletic Training **(**p. 287**)**

- **Undergraduate Majors (B.A.)**
  - Athletic Training and Rehabilitation Studies
  - Kinesiology and Exercise Science
  - Physical Education-Teaching
- **Minors**
  - Athletic Training and Rehabilitation Studies
  - Coaching
  - School of Health Education-Teaching
  - Sport Administration
  - Strength and Conditioning
- **Graduate Majors (M.A.)**
  - Kinesiology and Sport Performance
  - Physical Education: Pedagogy
- **Graduate Major (M.ATR.)**
  - Master of Athletic Training
- **Program Certificates**

- Adapted Physical Education
- Corporate Fitness
- Exercise Science for Health Professionals

Department of Languages and Literatures

- **Undergraduate Majors (B.A.)**
  - English
  - English-Teaching
  - Spanish
  - Spanish-Teaching
  - Teaching English to Speakers of Other Languages (TESOL)
  - Teaching English to Speakers of Other Languages (TESOL)-Teaching
  - TESOL/Modern Language-Teaching
- **Minors**
  - English
  - English-Teaching
  - Film Studies
  - Interdisciplinary Language Studies: French
  - Spanish
  - Spanish-Teaching
  - Spanish/English Translation
  - Teaching English to Speakers of Other Languages (TESOL)
  - Teaching English to Speakers of Other Languages (TESOL)-Teaching
  - Writing
- **Graduate Majors (M.A.)**
  - English
  - Teaching English in Secondary Schools
  - Teaching English to Speakers of Other Languages (TESOL)
  - TESOL/Modern Language
- **Program Certificates**
  - Chinese Studies
  - French Language Studies
  - Hispanic Cultures
  - International Business, Culture, and Language (also listed in Interdisciplinary section)
  - International Commerce
  - Linguistic Studies
  - Literary Publishing
  - Post-Colonial and Multicultural Literary Studies
  - Spanish Language Studies
  - Spanish for Special Purposes
  - Teaching English to Speakers of Other Languages

Department of Management

- **Undergraduate Majors (B.A.)**
  - Business Analytics
  - Human Resource Management
  - Management
  - Management Information Systems
  - Supply Chain Management
- **Minors**
  - General Business Concepts
  - Organizational Leadership

Department of Marketing and Entrepreneurship

- **Undergraduate Majors (B.A.)**
  - Marketing
- **Minors**
  - Business Communication (also listed in Department of Communication and Media)
  - Entrepreneurship
  - Marketing
- **Program Certificates**
  - Entrepreneurship
  - Entrepreneurship (graduate certificate)
  - Financial and Real Estate Sales for Business Majors (also listed in Department of Finance)
  - Global Marketing (graduate certificate)

Department of Mathematics

- **Undergraduate Majors (B.A.)**
  - Mathematics
  - Mathematics-Statistics/Actuarial Science
  - Mathematics-Teaching
- **Minors**
  - Data Science (also listed in Department of Computer Science and Department of Physics)
  - Mathematics
  - Mathematics-Teaching
  - Mathematics (K-8)-Teaching
  - Statistics and Actuarial Science
- **Graduate Majors (M.A.)**
  - Mathematics
    - Mathematics
    - Secondary Teaching
    - Community College Teaching
  - Mathematics for the Elementary and Middle Grades (K-8)
- **Graduate Majors (P.S.M.)**
  - Industrial Mathematics
- **Program Certificate**
  - Statistical Computing

Department of Military Science

- **Minor**
  - Advanced Leadership Techniques

Music, School of

- **Undergraduate Major (B.A.)**
  - Music

- **Minors**
  - Jazz Studies
  - Music
- **Undergraduate Majors (B.M.)**
  - Composition-Theory
  - Music Education
  - Performance
- **Graduate Major (M.A.)**
  - Music
- **Graduate Majors (M.M.)**
  - Composition
  - Conducting
  - Jazz Pedagogy
  - Music Education
  - Music History
  - Performance
  - Piano Performance and Pedagogy
- **Program Certificates**
  - Artist Diploma I
  - Artist Diploma II

Department of Nursing & Public Health (p. 349)

- **Undergraduate Majors (B.A.)**
  - Public Health
    - Community Health
    - Environmental Health
- **Minors**
  - Public Health
- **Program Certificates**
  - Community Nutrition
  - Environmental Health
  - Global Health and Humanitarian Assistance
  - Health and Social Services
  - Health Care Administration for Business Majors (also listed in College of Business and Department of Economics)
  - Health Care Administration for Non-Business Majors (also listed in College of Business and Department of Economics)
  - Women's Health

Department of Philosophy and World Religions

- **Undergraduate Majors (B.A.)**
  - Philosophy
  - Study of Religion
- **Minors**
  - Ethics
  - Philosophy
  - Religion
- **Program Certificates**
  - Youth Work in Religious Settings (also listed in Department of Health, Recreation and Community Services)

Department of Physics

- **Undergraduate Majors (B.S.)**
  - Physics
- **Undergraduate Majors (B.A.)**
  - Physics
  - Physics-Teaching
- **Minors**
  - Data Science (also listed in Department of Computer Science and Department of Mathematics)
  - Materials Science and Technology (also listed in Department of Chemistry and Biochemistry and Department of Applied Engineering & Technical Management)
  - Nanoscience and Nanotechnology
  - Physics
- **Program Certificate**
  - Physics Teaching

Department of Political Science

- **Undergraduate Majors (B.A.)**
  - Political Communication (also listed in Department of Communication and Media)
  - Political Science-Liberal Arts
  - Public Administration
- **Graduate Majors (M.P.P.)**
  - Master of Public Policy
- **Minors**
  - International Affairs-Liberal Arts
  - Legal Studies
  - Political Science-Liberal Arts
  - Public Administration
- **Program Certificates**
  - International Peace and Security
  - Public Personnel & Human Resources
  - State and Local Government

Department of Psychology

- **Undergraduate Major (B.A.)**
  - Psychology
- **Minor**
  - Mental Health
  - Psychology
- **Graduate Major (M.A.)**
  - Psychology
- **Program Certificate**
  - Military Psychology
  - Work Psychology

Regents Alternative Pathway to Iowa Licensure (RAPIL) - Answering the Call to Teach

Science Education

- **Undergraduate Majors (B.A.)**
  - Comprehensive Secondary Science Teaching
  - Middle-Level Science Teaching Dual
- **Minor**
  - Basic Science (K-8)-Teaching
  - STEM Education
- **Graduate Major (M.A.)**
  - Science Education

Social Science

- **Undergraduate Majors (B.A.)**
  - Social Science-Teaching-Plan A - Specialist
  - Social Science-Teaching-Plan B - All Social Science
  - Social Science-Teaching-Plan C - Basic
- **Graduate Major (M.A.)**
  - Social Science

Department of Social Work

- **Undergraduate Major (B.S.W.)**
  - Social Work
- **Minor**
  - Social Welfare
- **Graduate Major (M.S.W.)**
  - Social Work
- **Program Certificates**
  - Addictions Treatment
  - Child Welfare

Department of Sociology, Anthropology, and Criminology

- **Undergraduate Majors (B.A.)**
  - Anthropology
  - Criminology and Criminal Justice
  - Sociology
- **Undergraduate Majors (B.A.S.)**
  - Criminal Justice
- **Minors**
  - Anthropology
  - Criminology
  - Social Justice
  - Sociology
- **Program Certificates**
  - Crime Mapping and Analysis (also listed in Department of Geography)
  - Sociology of Family and Life Course
  - Sociology of Gender and Culture
  - Sociology of Health and Development
  - Sociology of Inequality and Inclusion
  - Sociology of Race/Ethnicity and Immigration

Department of Special Education

- **Minors**
  - Early Childhood Special Education-Teaching
  - Special Education-Teaching
  - Instructional Strategist
- **Graduate Majors (M.A.E.)**
  - Special Education
- **Program Certificate**
  - Inclusive Education
  - Special Education Instructional Coaching

Department of Teaching

The Department of Teaching is responsible for the administration of multi-faceted programs.

Department of Theatre

- **Undergraduate Majors (B.A.)**
  - Communication-Theatre-Teaching (also listed in Department of Communication and Media)
  - Theatre
- **Minors**
  - Communication-Theatre-Teaching (also listed in Department of Communication and Media)
  - Theatre

Undergraduate Studies (p. 284)

- **Program Certificate**
  - Career Success in Organizations (UNIFI)
  - Creative Expressions (UNIFI)
  - Critical Thinking and Information Literacy (UNIFI)
  - Data Science (UNIFI)
  - Developmental Considerations (UNIFI)
  - Diversity, Equity, and Inclusion (UNIFI)
  - East Asia (UNIFI)
  - Innovation in Leadership (UNIFI)
  - Sustainability (UNIFI)
  - THRIVE! (UNIFI)
  - United States Studies (UNIFI)

Department of Accounting

(College of Business)

business.uni.edu/accounting

The Department of Accounting offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Accounting section in the following order:

Undergraduate Major (B.A.)

- Accounting (p. 127)

Graduate Major (MAcc)

- Master of Accounting (p. 128)

Undergraduate note: Students majoring in Accounting must satisfy the College of Business admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from UNI*Business* Advising in the College of Business or at https://business.uni.edu/students/advising/uni-college-business-policies. Prior to completion of the admission requirements, students may sign an intent to major in Accounting and be classified as a prospective (pre)major. Pre-Accounting majors may enroll in lower division (below 3000-level) business courses only. Enrollment in upper division (3000/4000-level) business courses requires satisfactory completion of the College of Business admission requirements and any course prerequisites.

Accounting majors *may* declare a double major, and/or major and minor within the College of Business subject to regulations imposed by those College of Business departments affected. Accounting majors minoring within the College of Business must select minors designated for business majors.

To graduate with a major in Accounting from the College of Business, a student must earn at least 50% of the business credit hours required for the major at UNI. In addition, a minimum of nine graded hours must be earned in 3000/4000-level UNI Accounting courses. A student must earn a 2.20 cumulative grade point average at UNI and earn an overall 2.20 grade point average in ACCT xxxx, MKTG xxxx, MGMT xxxx, FIN xxxx, and ECON xxxx courses taken at UNI, and earn a grade of C- or better in the following courses:

ACCT 3120	Intermediate Accounting I	3
ACCT 3122	Intermediate Accounting II	3
ACCT 3130	Cost Accounting	3
ACCT 3140	Accounting Information Systems	3
ACCT 4150	Income Tax	3
ACCT 4160	Auditing	3

Students given permission to graduate out-of-residence must earn a 2.20 or better in all courses approved and accepted for out-of-residence credit.

Students who want to write the Uniform CPA Examination in Iowa should secure current requirements from the Iowa Accountancy Examining Board in order to plan their program of study so that all requirements are met. Students who want to write the Uniform CPA Examination in other states should secure the same information from the applicable state board of accountancy.

Students may repeat Accounting courses with the exception that subsequent to successfully completing a 100/3000/4000-level Accounting course, they may not repeat Principles of Financial Accounting (ACCT 2120) or Principles of Managerial Accounting (ACCT 2130).

The Accounting Department may impose additional admission requirements for students wishing to declare a minor or a second College of Business major. Eligibility to declare a minor or a second College of Business major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNI*Business* Advising (CBB 5) in the College of Business.

Bachelor of Arts Degree Programs Accounting Major

The Accounting major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Business Core		
Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Required		
Accounting:		
ACCT 3120	Intermediate Accounting I	3
ACCT 3122	Intermediate Accounting II	3
ACCT 3130	Cost Accounting	3
ACCT 3140	Accounting Information Systems	3
ACCT 4150	Income Tax	3
ACCT 4160	Auditing	3
Total Hours		**60**

While Accounting majors are not required to take accounting electives, the following electives are offered:

ACCT 4025/5025	Advanced Accounting	3
ACCT 4052	Advanced Income Tax	3
ACCT 4065/5065	Fraud Analytics	3
ACCT 4070/5070	Government and Not-for-Profit Accounting	3
ACCT 4162/5162	Advanced Auditing	3

Depending on individual career goals and professional certification requirements, certain electives may be highly recommended in addition to the required courses. Students who wish to be a candidate for the Uniform Certified Public Accountant Examination should follow the requirements of the Iowa Board of Accountancy.

Master of Accounting Degree Program

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Accounting for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Master of Accounting degree is offered both as a traditional graduate program and as an integrated program for current UNI undergraduate students. The procedures for applying to the program differ depending on whether the applicant is applying to the integrated program or the traditional program; therefore the requirements for admission are set out separately below.

Admission requirements for individuals not currently UNI undergraduate students: Individuals desiring entry into this degree program must have: a minimum Graduate Management Admission Test (GMAT) score of 500, a verbal GMAT score in the 40th percentile or higher, a cumulative grade point average (GPA) of B- or better on all upper division (junior/senior) accounting courses, and either completion of an undergraduate degree in accounting or satisfactory completion of Intermediate Accounting I ACCT 3120, Intermediate Accounting II ACCT 3122, Cost Accounting ACCT 3130, Income Tax ACCT 4150, Auditing ACCT 4160, and Accounting Information Systems ACCT 3140. In addition, a minimum admission score of 1150 (computed by multiplying the undergraduate GPA by 200 and adding the GMAT score) is required. At the discretion of the Accounting Department, students may be admitted on a probationary basis if their GMAT score and/or their average grades on upper division accounting courses fall below 500 and/or B-, respectively.

International students and/or individuals without English as a first language are required to demonstrate English language proficiency. Applicants must earn a minimum score of 100 on the TOEFL iBT to be admitted. If the TOEFL iBT is not offered in the applicant's country, then the applicant must take the TOEFL and Test of Spoken English (TSE). Minimum scores on these tests for admission are 600 (or 250 on the computerized version) on the TOEFL and 50 on the TSE. The University of Northern Iowa also accepts the IELTS. If a student takes the IELTS, a minimum score of 7 is required, with no sub-score less than 6.

Admission requirements for current UNI undergraduate students applying to the integrated program: Current UNI undergraduate students desiring entry into this degree program must have: a minimum Graduate Management Admission Test (GMAT) score of 500, a verbal GMAT score in the 40th percentile or higher, a cumulative grade point average (GPA) of B- or better on all upper division (junior/senior) accounting courses, and satisfactory completion of Intermediate Accounting I ACCT 3120 and Intermediate Accounting II ACCT 3122. In addition, a minimum admission score of 1150 (computed by multiplying the undergraduate GPA by 200 and adding the GMAT score) is required. At the discretion of the Accounting Department, students may be admitted on a probationary basis if their GMAT score and/or their average grades on upper division accounting courses fall below 500 and/or B-, respectively.

UNI undergraduate accounting students interested in the MAcc Integrated Program may apply for admission to the program during the semester they are completing Intermediate Accounting II ACCT 3122. An Application for Admission to Graduate Study must be completed and the student's interest in the MAcc Integrated Program must be indicated on the application itself. The GMAT will be waived for UNI undergraduate students applying to the integrated program if they have a GPA of 3.00 or higher after 75 UNI credits and at the end of the semester in which Intermediate II is taken. If accepted into the MAcc Integrated Program, the student will receive both the B.A. and MAcc degrees upon completion of the respective programs of study.

Once admitted into the integrated program, UNI undergraduate accounting students (who are classified as seniors) may register for a maximum of 12 hours of graduate credit as a senior, with the approval of the student's advisor, the instructor of the course(s), and the head(s) of the department(s) offering the course(s). Graduate credit completed as a senior will not be counted toward the undergraduate degree. See policies and procedures for Graduate Credit for Undergraduate Students for information on the tuition charged for graduate credit and financial aid eligibility. Integrated MAcc students will be classified as graduate students for tuition and federal financial aid purposes at the beginning of their fifth year or upon awarding of the bachelor's degree, whichever is earlier. Students must be classified as graduate students for tuition purposes for at least two full semesters (not including summers).

The MAcc is a full-time program. Accordingly, students are expected to carry a credit load sufficient to qualify as a full-time student for each semester during the program (excluding summers).

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The Master of Accounting program (MAcc) is offered on the **non-thesis** option. A minimum of 30 semester hours is required for the degree, of which a **minimum of 15 hours must be at the 6000-level**. In addition, all transfer credit must be at the graduate level (i.e., equivalent to UNI's 6000-level courses).

Required

Accounting:		
ACCT 6120	Financial Accounting Theory and Analysis	3
ACCT 6170	Business Law for the Professional Accountant	3

ACCT 6175	Applied Professional Research	3
Information technology component:		
ACCT 6140	Business Analytics in Accounting	3
or MGMT 6249	Management Information Systems Concepts	
Electives		**18**
Accounting:		
ACCT 4025/5025	Advanced Accounting	
ACCT 4065/5065	Fraud Analytics	
ACCT 4070/5070	Government and Not-for-Profit Accounting	
ACCT 4162/5162	Advanced Auditing	
ACCT 6052	Advanced Tax Topics	
ACCT 6090	Graduate Internship in Accounting	
ACCT 6092	Topics in Accounting: Fraud Examination	
ACCT 6285	Individual Readings	
ACCT 6289	Seminar in Contemporary Issues in Accounting	
ACCT 6299	Research	
Ethics:		
MGMT 3974/5974	Business, Ethics, and Society	
International Business:		
FIN 3032/5032	International Financial Management	
MKTG 3176/5176	Global Marketing	
Other electives:		
ECON 3221/5221	Public Finance	
ECON 3229/5229	Cost-Benefit Analysis	
ECON 3253/5253	Urban and Regional Economics	
FIN 3160/5160	Principles of Investments	
MGMT 3905/5905	Employment and Labor Law	
MGMT 3965/5965	Organizational Behavior	
MGMT 3984/5984	Dynamics of Negotiations	
MKTG 3113/5113	Consumer Behavior	
HIST 6020	History and U.S. Public Policy	
Any other graduate level course approved by the MAcc program coordinator		
Total Hours		**30**

Students will be required to satisfy an Experiential Component with a pre-approved experience. Ways in which this component might be satisfied include enrollment and satisfactory completion of ACCT 3055 or ACCT 3090 or ACCT 3179 or ACCT 6090 . Non-academic credit work experience may also satisfy this requirement. Students will be required to prepare a written report summarizing their experience. Supervising faculty will determine whether the experience goals have been satisfied.

Department of Applied Engineering & Technical Management

(College of Humanities, Arts and Sciences)

https://chas.uni.edu/aetm

The Department of Applied Engineering & Technical Management offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Applied Engineering & Technical Management section in the following order:

Undergraduate Majors (B.S.)

- Automation Engineering Technology (p. 129)
- Construction Management (p. 130)
- Electrical Engineering Technology (p. 131)
- Manufacturing Engineering Technology (p. 131)
- Technology and Engineering Education-Teaching (p. 132)

Undergraduate Majors (B.A.)

- Graphic Technology (p. 133)
- Technology Management (p. 133)

Minors

- Electrical and Electronics Technology (p. 134)
- Graphic Technology (p. 134)
- Manufacturing Technology Design (p. 134)
- Materials Science and Technology (p. 135) (also listed in Department of Chemistry and Biochemistry and Department of Physics)
- Technology Education - Teaching (p. 135)

Graduate Major (M.S.)

- Technology (p. 136)

Program Certificates

- Applied Systems Engineering Management (graduate certificate) (p. 137)
- Technology Management (p. 137)

Bachelor of Science Degree Programs

Automation Engineering Technology Major

The B.S. Automation Engineering Technology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Automation Engineering Technology program will provide industry-relevant training and hands-on experience for students to apply automation engineering technology knowledge to industry

and manufacturing for process control and system review. Students will be trained on sensors, instrumentations, electrical power, computer programming for controllers, process control, pneumatics and hydraulics, and mechanical systems to solve engineering and technology problems. Students will have a chance to work with industry level state-of-the-art equipment to apply their theoretical knowledge as well as programming industry level controllers to implement Industry 4.0 standards.

Math and Science		
MATH 1150	Calculus for Technology	4
STAT 1772	Introduction to Statistical Methods	3
PHYSICS 1511	General Physics I	4
CS 1160	C/C++ Programming	3
Required AET Major Technical Core		
TECH 1037	Introduction to Circuits	3
TECH 1039	Circuits and Systems	3
TECH 2038	Introduction to Electrical Power and Machinery	3
TECH 2042	Introduction to Digital Electronics	3
TECH 3160/5160	Computer-Aided Instrumentation and Interfacing	3
TECH 3164	Programmable Logic Controllers (PLCs)	3
TECH 1010	Metal Removal Processes	3
TECH 1024	Technical Drawing and Design I	3
TECH 2060	Fundamentals of Automated Manufacturing	3
TECH 2080	Statics and Strength of Materials	3
TECH 3147	Computer Aided Manufacturing	3
TECH 3148	Machine Design	3
TECH 4162	Automation - Pneumatics and Hydraulics	3
TECH 4220	Senior Design @	3
or TECH 4210	Manufacturing Senior Projects	
ENGLISH 1005	College Writing and Research	3
ENGLISH 3772/5772	Technical Writing for Engineering Technologists	3
Electives		15
Complete five of the following:		
TECH 2041	Introduction to Analog Electronics *	
TECH 3156	Advanced Digital Electronics	
TECH 3166/5166	Advanced Electrical Power Systems *	
TECH 3152	Advanced Analog Electronics *	
TECH 4104/5104	Applied Digital Signal Processing *	
TECH 3129/5129	Linear Control Systems *	
TECH 4167/5167	Power Electronics Applications *	
TECH 3157/5157	Microcontroller Applications *	
TECH 4103/5103	Electronic Communications *	
TECH 4165/5165	Wireless Communication Networks *	
TECH 1008	Basic Manufacturing Processes	
TECH 2024	Technical Drawing and Design II	
TECH 2119	Computer Applications in Technology	
TECH 2072	Engineering Materials	
TECH 3113	Manufacturing Tooling *	
TECH 3142	Statistical Quality Control	
TECH 3143	Managing Operations and Manufacturing Systems	
TECH 3196	Industrial Safety	
Total Hours		**77**

* These courses have additional prerequisites.

@ This course meets the Bachelor of Science undergraduate research course requirement.

Construction Management Major

The B.S. Construction Management major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required:		
Mathematics and Science:		
MATH 1150	Calculus for Technology ^	4
CHEM 1020	Chemical Technology	4
PHYSICS 1511	General Physics I ^	4
STAT 1772	Introduction to Statistical Methods ^	3
ENGLISH 1005	College Writing and Research	3
ENGLISH 3772/5772	Technical Writing for Engineering Technologists	3
TECH CM 1000	Introduction to Construction Processes	3
TECH CM 1050	Construction Safety	3
TECH CM 1100	Construction Documents	3
TECH CM 2000	Land, Route, and Construction Surveying	3
TECH CM 2050	Construction Law	3
TECH 2080	Statics and Strength of Materials	3
TECH CM 2100	Mechanical Systems in Construction	3
TECH CM 3000/5000	Civil Construction	3
TECH CM 3050	Construction Estimating	3
TECH CM 3100	Electrical Construction Materials and Methods	3

TECH CM 3150/5150	Construction Project Planning, Scheduling and Control	3
TECH CM 3250	Computerized Project Management	3
TECH CM 4050/5050	Construction Management	3
TECH CM 4200/5200	Structural Components of Construction	3
TECH CM 4300/5300	Construction Technology and Innovation	3
TECH CM 4400	Construction Management Senior Project (to be taken last semester) @	3
Business and Management:		
ECON 1031	Introduction to Business Economics	3
ACCT 2120	Principles of Financial Accounting	3
MGMT 3100	Legal and Social Environment of Business	3
Total Hours		**78**

^ Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

@ This course meets the Bachelor of Science degree undergraduate research course requirement.

Electrical Engineering Technology Major

The B.S. Electrical Engineering Technology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Electrical Engineering Technology major provides theoretical and hands-on experience in the field of electrical circuits, conventional and renewable electrical energy, analog/digital electronics, microprocessors, modern electronic communication systems, digital signal processing, power electronics, control systems, networking, and their applications. The Electrical Engineering Technology Program is accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org.

Required Mathematics and Science core:		
Mathematics (take two of the following four courses):		8
MATH 1140	Precalculus	
MATH 1150	Calculus for Technology	
MATH 1420	Calculus I	
MATH 1421	Calculus II	
STAT 1772	Introduction to Statistical Methods	3
Computer Science:		
CS 1160	C/C++ Programming	3
Physics:		
PHYSICS 1511	General Physics I	4
PHYSICS 1512	General Physics II	4
Required Technical Core:		
Technology:		
TECH 1037	Introduction to Circuits	3
TECH 1039	Circuits and Systems	3
TECH 2038	Introduction to Electrical Power and Machinery	3
TECH 2041	Introduction to Analog Electronics	3
TECH 2042	Introduction to Digital Electronics	3
TECH 3129/5129	Linear Control Systems	3
TECH 3152	Advanced Analog Electronics	3
TECH 3156	Advanced Digital Electronics	3
TECH 3157/5157	Microcontroller Applications	3
TECH 3160/5160	Computer-Aided Instrumentation and Interfacing	3
TECH 3164	Programmable Logic Controllers (PLCs)	3
TECH 3166/5166	Advanced Electrical Power Systems	3
TECH 4103/5103	Electronic Communications	3
TECH 4104/5104	Applied Digital Signal Processing	3
TECH 4165/5165	Wireless Communication Networks	3
TECH 4167/5167	Power Electronics Applications	3
TECH 4220	Senior Design @	3
Required Technical Writing:		
ENGLISH 1005	College Writing and Research	3
ENGLISH 3772/5772	Technical Writing for Engineering Technologists	3
Total Hours		**79**

@ This course meets the Bachelor of Science degree undergraduate research course requirement.

Additional Program Requirements:

1. All 4000 level technology courses must be taken at UNI, i.e. no transfer is accepted for 4000 level technology courses.

2. All students in the program must have a UNI GPA of 2.00 or higher before they are allowed to take any TECH courses they have not already taken.

Manufacturing Engineering Technology Major

The B.S. Manufacturing Engineering Technology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Manufacturing Engineering Technology Program is accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org.

Required Mathematics and Science Core:		
Mathematics:		
MATH 1150	Calculus for Technology	4

or MATH 1420	Calculus I	
Chemistry:		
CHEM 1020	Chemical Technology	4
or CHEM 1110	General Chemistry I	
Physics:		
PHYSICS 1511	General Physics I	4
or PHYSICS 1701	Physics I for Science and Engineering	
Required Technical Core:		
Technology:		
TECH 1008	Basic Manufacturing Processes	3
TECH 1010	Metal Removal Processes	3
TECH 1024	Technical Drawing and Design I	3
TECH 2024	Technical Drawing and Design II	3
TECH 2060	Fundamentals of Automated Manufacturing	3
TECH 2072	Engineering Materials	3
TECH 2080	Statics and Strength of Materials	3
TECH 3113	Manufacturing Tooling	3
TECH 3127	Transport Phenomena for Technologists	3
TECH 3142	Statistical Quality Control	3
TECH 3143	Managing Operations and Manufacturing Systems *	3
or TECH 3180	Lean and Sustainable Operations	
TECH 4110/5110	Manufacturing Process Planning	3
TECH 4162	Automation - Pneumatics and Hydraulics	3
TECH 4187	Applied Industrial Supervision and Management	3
TECH 4210	Manufacturing Senior Projects (to be taken in last semester) @	3
English:		
ENGLISH 1005	College Writing and Research	3
ENGLISH 3772/5772	Technical Writing for Engineering Technologists	3
Emphasis: choose one of the following three emphases:		9
Total Hours		**72**

Emphases Options:

Advanced Manufacturing:		
TECH 3024/5024	Solid Modeling and Additive Manufacturing for Design	3
TECH 3147	Computer Aided Manufacturing	3
TECH 3177	Advanced Manufacturing Processes	3
Manufacturing Design:		
TECH 3024/5024	Solid Modeling and Additive Manufacturing for Design	3
TECH 3135/5135	Product Design	3
TECH 3148	Machine Design	3
Metal Casting:		
TECH 3134	Molding Practices in Metal Casting	3
TECH 4136	Melting Metallurgy and Practices	3
TECH 4137	Tooling Practices in Metal Casting	3

* Students take TECH 3143 or TECH 3180 with approval of instructor.

@ This course meets the Bachelor of Science degree undergraduate research course requirement.

Technology and Engineering Education-Teaching Major

The B.S. Technology and Engineering Education-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major leads to Iowa BOEE endorsement #140: 5-12 Industrial Technology.

Mathematics/Science Coursework

CHEM 1020	Chemical Technology	4
PHYSICS 1000 & PHYSICS 1010	Physics in Everyday Life and Physics in Everyday Life Laboratory *	4
or PHYSICS 1511	General Physics I	
MATH 1140	Precalculus *	4
Technology and Engineering Core		
TECH 1008	Basic Manufacturing Processes	3
TECH 1010	Metal Removal Processes	3
TECH 1024	Technical Drawing and Design I	3
TECH CM 1000	Introduction to Construction Processes	3
TECH 1055	Graphic Communications Foundations	3
TECH 1037	Introduction to Circuits	3
or TECH 3164	Programmable Logic Controllers (PLCs)	
TECH TEE 2020	Transportation Technology	3
TECH TEE/PHYSICS 3030	Robotics and Sensors	3
Technology and Engineering Education Core:		
TECH TEE 1000	Introduction to Technology and Engineering Education	3
TECH TEE 3100/5100	Technology and Engineering Education Curriculum Planning	3
TECH TEE 3150/5150	Technology & Engineering Education Lab Management	3
TECH TEE 4100	Technology and Engineering Education Level 3 Teaching Experience	1

TECH TEE 4200/5200	Technology and Engineering Education Methods	2
Total Hours		**48**

* MATH 1140 prerequisite of satisfactory score on ALEKS exam.
PHYSICS 1511 prerequisite of MATH 1130 or MATH 1140 or MATH 1420, or equivalent, or a satisfactory ALEKS score.

^ TEACHING 4170/5170 meets the Bachelor of Science degree undergraduate research course requirement.

Note: Students in Technology and Engineering Education--Teaching Major will be waived from LRNTECH 1020 Secondary Educational Technology and Design of the Professional Education Requirements. A student changing majors to a different teaching major would be required to complete LRNTECH 1020 Secondary Educational Technology and Design.

Bachelor of Arts Degree Programs

Graphic Technology Major

The Graphic Technology major provides students with theoretical and hands-on experiences in the graphic communication industry and related disciplines. The Graphic Technology program is accredited by Accrediting Council for Collegiate Graphic Communications, Inc. (accgc.org).

The Graphic Technology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus university electives, easily allowing students to double major and/or minor in other disciplines.

Required:

TECH 1012	ePortfolio Development & Industry Exploration	3
TECH 1055	Graphic Communications Foundations	3
TECH 2070	Digital Pre-Media	3
TECH 2119	Computer Applications in Technology	3
TECH 3131	Technical Project Management	3
TECH 3144	Web Publishing	3
TECH 3150/5150	Graphic Communications Imaging	3
TECH 3163/5163	Advanced Digital Pre-Media	3
TECH 3169	Digital Imaging	3
TECH 3179 Cooperative Education		3
TECH 4093/5093	Graphic Communications Estimating and Management I	3
TECH 4158/5158	Graphic Communication Data Visualization	3
TECH 4161	Digital Graphic Communications	3
TECH 4187	Applied Industrial Supervision and Management	3
TECH 4193	Graphic Communication Estimating and Management II	3
Total Hours		**45**

Technology Management Major

The Technology Management major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Integrating specific technical background, the Technology Management major prepares students with a broad spectrum of management skills, critical thinking skills, organizational skills in technological systems for an entry level supervision/management position upon graduation.

Mathematics and Science Core: (one hour lab required)		
STAT 1772	Introduction to Statistical Methods *	3
CHEM 1010	Principles of Chemistry ***	4
or CHEM 1020	Chemical Technology	
or CHEM 1110	General Chemistry I	
PHYSICS 1000	Physics in Everyday Life ***	3-4
or PHYSICS 1511	General Physics I	
Management Core:		
TECH 2119	Computer Applications in Technology	3
TECH 3065	Technology and Organizational Efficiency	3
TECH 3131	Technical Project Management	3
TECH 3142	Statistical Quality Control	3
TECH 3143	Managing Operations and Manufacturing Systems	3
TECH 3180	Lean and Sustainable Operations	3
TECH 4187	Applied Industrial Supervision and Management	3
Technical Electives: **		**33**
TECH 1008	Basic Manufacturing Processes	
TECH 1010	Metal Removal Processes	
TECH 1011	Software for Graphic Techniques	
TECH 1017	Computer-Aided Design and Drafting	
TECH CM 1000	Introduction to Construction Processes	
TECH 1024	Technical Drawing and Design I	
TECH 1055	Graphic Communications Foundations	
TECH 2036	Power Technology	
TECH 2060	Fundamentals of Automated Manufacturing	
TECH 3102	Living in Our Techno-Social World	

TECH 3114	Product Development and Enterprise	
TECH 3169	Digital Imaging ***	
TECH 3179 Cooperative Education		
TECH 3196	Industrial Safety	
TECH 4000/5000	Wind Energy Engineering	
TECH 4158/5158	Graphic Communication Data Visualization ***	
TECH 4178/5178	Contemporary Instruction in Technology Education	
Total Hours		**64-65**

* STAT 1772 has prerequisite of satisfactory score on ALEKS exam or subsequent remediation. Equivalency requires approval by department.

** A minimum of 33 hours of supporting technical courses to be taken from the following or any other courses in the Department of Applied Engineering & Technical Management approved by the students advisor.

*** CHEM 1110 student must have satisfied university entrance requirements in English and Mathematics; MATH 1120 or MATH 1130 or MATH 1140 or MATH 1150 or MATH 1420 or equivalent, or a satisfactory ALEKS score.
PHYSICS 1511 has prerequisite of MATH 1130 or MATH 1140 or MATH 1150 or MATH 1420 or equivalent, or a satisfactory ALEKS score.
TECH 3169 has prerequisite of TECH 2070.
TECH 4158/5158 has prerequisites of TECH 2119; TECH 2070; junior standing.

Minors

Electrical and Electronics Technology Minor

The Electrical and Electronics Technology minor provides basic theory and hands-on experience in the field of electrical circuits, electrical power and machinery, analog/digital electronics, PLCs and their applications.

Required:

Technology:		18
TECH 1037	Introduction to Circuits	
TECH 1039	Circuits and Systems	
TECH 2038	Introduction to Electrical Power and Machinery	
TECH 2041	Introduction to Analog Electronics	
TECH 2042	Introduction to Digital Electronics	
TECH 3164	Programmable Logic Controllers (PLCs)	
Mathematics:		4
MATH 1150	Calculus for Technology	
or MATH 1420	Calculus I	
Computer Science:		3
CS 1130	Visual BASIC Programming	
or CS 1160	C/C++ Programming	
Physics:		4
PHYSICS 1511	General Physics I	
or PHYSICS 1701	Physics I for Science and Engineering	
Total Hours		**29**

Graphic Technology Minor

Required:

Technology:		
TECH 1055	Graphic Communications Foundations	3
TECH 2070	Digital Pre-Media	3
TECH 3169	Digital Imaging	3
TECH 4161	Digital Graphic Communications	3
Electives:		
Technology (select three of the following):		9
TECH 1011	Software for Graphic Techniques	
TECH 1012	ePortfolio Development & Industry Exploration	
TECH 2119	Computer Applications in Technology	
TECH 3144	Web Publishing	
TECH 3150/5150	Graphic Communications Imaging	
TECH 3163/5163	Advanced Digital Pre-Media	
TECH 4158/5158	Graphic Communication Data Visualization	
Total Hours		**21**

Manufacturing Technology Design Minor

Available to all UNI majors except Manufacturing Technology majors.

Required:

Technology:		15
TECH 1017	Computer-Aided Design and Drafting	
TECH 1024	Technical Drawing and Design I	
TECH 2024	Technical Drawing and Design II	
TECH 3024/5024	Solid Modeling and Additive Manufacturing for Design	
TECH 3135/5135	Product Design	
Mathematics and Science:		12
MATH 1150	Calculus for Technology	
or MATH 1420	Calculus I	
CHEM 1020	Chemical Technology	
or CHEM 1110	General Chemistry I	
PHYSICS 1511	General Physics I	
or PHYSICS 1701	Physics I for Science and Engineering	
Total Hours		**27**

Materials Science and Technology Minor

This is an interdisciplinary minor that is jointly offered by the Departments of Chemistry and Biochemistry, Physics, and Applied Engineering & Technical Management.

Materials science and the use of materials in technology requires the use of concepts from multiple disciplines. This interdisciplinary minor gives students the broad foundation they need to learn about the science of materials and an introduction to how these scientific principles are used in the development and application of materials in new technology. This minor is complementary preparation to a major in Chemistry and Biochemistry, Physics or Manufacturing Engineering Technology for students who are interested in working in industry or going on to advanced study in materials science.

Required:		
Choose one of the following three options: +		**5-8**
Option 1 Chemistry (8 hours)		
CHEM 1110	General Chemistry I	
CHEM 1120	General Chemistry II	
OR		
Option 2 Chemistry (5 hours)		
CHEM 1130	General Chemistry I-II	
OR		
Option 3 Chemistry/Technology (7 hours)		
CHEM 1020	Chemical Technology &	
TECH 3127	Transport Phenomena for Technologists &	
Additional requirements (all three options)		
Choose one of the following sets of Physics courses:		8
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	
OR		
PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering	
Additional required (all three options)		
CHEM 4200/5200 or PHYSICS 4200/5200	Nanoscience * Nanoscience	3
TECH 2072	Engineering Materials	3
Electives (all three options) - choose one of the following:		**3-4**
Note: in order to earn the Materials Science and Technology minor, the elective course students take for the minor cannot be a required course for their primary major.		
CHEM 2110	Descriptive Inorganic Chemistry *	
CHEM 2320	Chemical Analysis #	
CHEM 4210/5210 or PHYSICS 4210/5210	Nanotechnology * Nanotechnology	
PHYSICS 4750/5750	Physics of Modern Materials #	
TECH 3132/5132	Metallurgy and Phase Transformation	
Total Hours		**22-26**

+ **There are additional prerequisite courses that must be taken along with the required courses in some options – choose the option that aligns with the courses for your major.**
Prerequisites for TECH 3127: TECH 1024; MATH 1150 or MATH 1420.
Prerequisite or corequisites for PHYSICS 1701: MATH 1420.
Prerequisite or corequisites for PHYSICS 1702: MATH 1421.

* Students who have declared a Materials Science and Technology Minor may take these courses after completing CHEM 1020 Chemical Technology and TECH 3127 Transport Phenomena for Technologists in place of the usual CHEM 1120 General Chemistry II prerequisite.

& These courses are taken by students in the Manufacturing Engineering Technology major.

\# Prerequisite for CHEM 2320: CHEM 1120 or CHEM 1130.
Prerequisite for PHYSICS 4750/5750: PHYSICS 4100/5100 and PHYSICS 4110/5110.

Technology Education Minor-Teaching

This minor leads to Iowa BOEE endorsement #140: 5-12 Industrial Technology.

Required:		
Technology:		
TECH 1008	Basic Manufacturing Processes	3
TECH 1010	Metal Removal Processes	3
TECH 1024	Technical Drawing and Design I	3
TECH CM 1000	Introduction to Construction Processes	3
TECH 1055	Graphic Communications Foundations	3
TECH 1037	Introduction to Circuits	3
TECH TEE 1000	Introduction to Technology and Engineering Education **	3
TECH TEE 2020	Transportation Technology	3
TECH TEE 3030	Robotics and Sensors	3
TECH TEE 3150/5150	Technology & Engineering Education Lab Management	3
TECH TEE 4100	Technology and Engineering Education Level 3 Teaching Experience	1
TECH TEE 4200/5200	Technology and Engineering Education Methods **	2
Total Hours		**33**

*	TECH TEE 3030 has the following prerequisites: PHYSICS 1511 and PHYSICS 1512, or PHYSICS 1701 and PHYSICS 1702, or TECH 1037 or CS 1510.
**	TECH TEE 4200/5200 has prerequisite of TECH TEE 1000 and TEACHING 2017.
***	TECH 1019 can also be substituted for this course.

Master of Science Degree Program

Major in Technology

The MS Technology program is designed to prepare and develop professionals to perform and function as leaders and skilled technologists in the industrial or educational environments. The program includes four emphases: Technology Management, Information and Electrical Engineering Technology, Metal Casting, and Applied Systems Engineering Management. The curriculum offers both online and face-to-face classes, which are taught by UNI faculty. The program's core courses offer knowledge and skills in research methods, engineering cost analysis, and advanced project management, while the emphasis courses offer in-depth technical contents in specific technology areas. The program promotes a greater depth of understanding of applied technology and management, and technical and professional competency development. It provides opportunities to develop research and application skills directly related to individual competencies, needs, and objectives.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Applied Engineering & Technical Management for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

This degree offers a **thesis and non-thesis option**. The four emphases are the following:

1. Information & Electrical Engineering Technology Emphasis - available in both **thesis** and **non-thesis** options;
2. Metal Casting Emphasis - available in both **thesis** and **non-thesis** options;
3. Technology Management Emphasis - available in both **thesis** and **non-thesis** options;
4. Applied Systems Engineering Management Emphasis - available in **non-thesis** option only.

This major requires as a prerequisite a bachelor's degree with a major in engineering or technology field. Degree admission to the Master of Science in Technology requires an applicant to have:

1. Earned a minimum of 6 semester hours of college mathematics or statistics related content and 6 semester hours of college physics and/or chemistry and biochemistry or other science related content (this may be either graduate or undergraduate credit);
2. Earned a minimum of 15 semester hours in a major technical field and 8 semester hours in supporting technical subjects;
3. A personal statement;
4. Online Application for Graduate Study;
5. TOEFL score of 550 (paper-based) or 79 iBT;
6. Three professional references; and
7. A minimum cumulative undergraduate grade point average of 3.00.

Only graduate courses (course numbers 5000 or above) will apply to a graduate program, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

For both the thesis and non-thesis options, the Master of Science Technology degree program requires a **minimum of 30 semester hours. A minimum of 15 hours of 6000-level course work is required for this degree program.** For the thesis option, students must defend and present their research thesis to their committee members and the public.

MS Technology required core courses:		
TECH 6100	Engineering Cost Analysis	3
TECH 6300	Advanced Technical Project Management for Engineering and Technology	3
TECH 6292	Research Methods in Technology	3
Any 5000 or 6000 level math content course approved by adviser.		3
Select one of the emphases below (complete emphasis requirements based on choosing thesis or non-thesis option within emphasis).		18
Total Hours		**30**

Information and Electrical Engineering Technology Emphasis: Available in thesis and non-thesis options

TECH 4000/5000	Wind Energy Engineering	3
TECH 6242	Complex Digital System Design	3
TECH 6244	Applied Embedded Systems	3
Choose thesis or non-thesis option:		**9**
Thesis option:		
TECH 6299	Research (Master's Thesis) (- 6 hours)	
electives approved by advisor - 3 hours		
Non-thesis option:		
electives approved by advisor (9 hours)		
Total Hours		**18**

Metal Casting Emphasis: Available in thesis and non-thesis options

TECH 6231	Thermodynamics of Material Processing	3
TECH 6235	Material Transformations and Modeling	3
TECH 6239	Foundry Management	3
TECH 6258	Total Quality Management	3
Choose thesis or non-thesis option:		**6**

Thesis option:		
TECH 6299	Research (Master's Thesis) (6 hours)	
Non-thesis option:		
electives approved by advisor (6 hours)		
Total Hours		**18**

Technology Management Emphasis: Available in thesis and non-thesis options

TECH 6258	Total Quality Management	3
TECH 6275	Advanced Lean and Sustainable Operations	3
TECH 6295	Advanced Management and Supervision Technology	3
Choose thesis or non-thesis option:		**9**
Thesis option:		
TECH 6299	Research (Master's Thesis) (6 hours)	
electives approved by advisor (3 hours)		
Non-thesis option:		
electives approved by advisor (9 hours)		
Total Hours		**18**

Applied Systems Engineering Management Emphasis: Available in non-thesis option

TECH 6400	Introduction to Applied Systems Engineering Management	3
TECH 6420	Systems Engineering Architecture	3
TECH 6440	SMART Industrial Development - Systems Simulation	3
TECH 6460	Life Cycle Applications	3
TECH 6500	Systems Engineering Management Capstone Project	6
Total Hours		**18**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following certificates, contact the Department of Applied Engineering & Technical Management or the Office of the Registrar, which serves as the centralized registry.

Applied Systems Engineering Management Certificate (graduate certificate)

Applied Systems Engineering Management provides a multidisciplinary set of tools and techniques for understanding, organizing, and managing the complexity of product/service solution development throughout the product life cycle. The program emphasis delivers the necessary skills and knowledge essential for successful systems of systems development in today’s fast-paced environment. Students will learn a fundamental and systematic approach for a variety of essential elements, how they interact, how they are dependent upon one another leading to overall best practices. The content reflects an agile and lean approach to system development to meet specific business challenges. Students will learn current industry best practices to ensure robust, cost-effective approaches that meet stringent functional, performance, and cost requirements.

Required:

TECH 6400	Introduction to Applied Systems Engineering Management	3
TECH 6420	Systems Engineering Architecture	3
TECH 6440	SMART Industrial Development - Systems Simulation	3
TECH 6460	Life Cycle Applications	3
TECH 6500	Systems Engineering Management Capstone Project	6
Total Hours		**18**

Technology Management Certificate

Required:

STAT 1772	Introduction to Statistical Methods	3
TECH 2119	Computer Applications in Technology	3
TECH 3065	Technology and Organizational Efficiency	3
TECH 3131	Technical Project Management	3
or TECH 3143	Managing Operations and Manufacturing Systems	
TECH 3142	Statistical Quality Control	3
TECH 4187	Applied Industrial Supervision and Management	3
Total Hours		**18**

Department of Art

(College of Humanities, Arts and Sciences)

art.uni.edu

The Department of Art offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Art section in the following order:

Undergraduate Major (B.F.A.)

- Art: Studio B.F.A. (p. 138)

Undergraduate Majors (B.A.)

- Art-Studio Emphasis (p. 139)
- Art-Art History Emphasis (p. 139)
- Art Education-Teaching (p. 140)
- Graphic Design (p. 140)

Minors

- Art (p. 141)
- Art Education-Teaching (p. 141)
- Art History (p. 142)

Graduate Major (M.A.)

- Art Education (p. 142)

Program Certificates

- Museum Studies (p. 143) (also listed in Department of History)

Major programs are offered by the Department of Art in two baccalaureate degree areas, the Bachelor of Arts and the Bachelor of Fine Arts. The Bachelor of Arts degree is a liberal arts program offered in Graphic Design or Art with three emphasis options: studio, art history or art education (teaching). The Bachelor of Fine Arts degree is a professional program with an intensive studio emphasis.

It is possible for students to earn both the B.F.A. degree along with the B.A. in Art-Art History emphasis or the B.A. in Art Education-Teaching. However, a double major in Art-Studio Emphasis and Graphic Design is not possible. Likewise, it is not possible to earn both the B.F.A. and a B.A. in either Art-Studio Emphasis or Graphic Design.

No grade of less than C- shall satisfy any art major or minor degree requirement whether taken at UNI or transferred from another institution. For all studio courses in the Department of Art programs the ratio of student work hours to credit hours is 3:1. Therefore, additional work is required outside the regular class meeting times.

Courses in the Department of Art require specialized materials, some of which are provided through art lab fees.

Foundations Sequence

The Foundations Sequence is a one-year program required for all art majors and art minors. Introductory courses are offered that will provide an intense exploration of basic art concepts and skills as preparation for specialized and advanced areas of study.

Art majors take the 18 hours of introductory courses in the first year of study. The Foundations Sequence is prerequisite to all studio and art history courses. Generally, students enroll in Drawing I, 2-D Concepts, and Survey of Art History I during the first semester and Drawing II, 3-D Concepts, and Survey of Art History II the second semester.

The Foundations Sequence is a prerequisite for introductory level courses taken only by Art majors and minors.

Foundations Sequence for majors:

ART 1011	Drawing I	3
ART 1022	Drawing II	3
ART 1222	Two-Dimensional Concepts	3
ART 1333	Three-Dimensional Concepts	3
ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Total Hours		**18**

Foundations Sequence for Art Studio minors:

ART 1011	Drawing I	3
ART 1222	Two-Dimensional Concepts	3
ART 1333	Three-Dimensional Concepts	3
ARTHIST 1111	Survey of Art History I	3
or ARTHIST 1222	Survey of Art History II	
Total Hours		**12**

Foundations Sequence for Art History minors:

ART 1011	Drawing I	3
ART 1222	Two-Dimensional Concepts	3
or ART 1333	Three-Dimensional Concepts	
ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Total Hours		**12**

Bachelor of Fine Arts Degree Program

A B.F.A. portfolio admission review is required of all students seeking admission to the B.F.A. degree program. To qualify for the review students must:

1. have a minimum cumulative GPA in Art of 3.00, and an overall cumulative GPA of 2.75,
2. complete the Foundations Sequence,
3. have completed or be completing in the semester of application 6 hours of studio distribution,
4. be enrolled in or have completed a second semester in the selected area of Studio Concentration (students electing a drawing concentration must be enrolled in or have completed a third semester of drawing beyond Drawing II),
5. complete the B.F.A. Admission Application, and
6. submit a portfolio of art work for review. Students may reapply for admission to the B.F.A. program.

Art Major: Studio B.F.A.

The Art Major: Studio B.F.A. requires a minimum of 122 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements.

Foundations Sequence		
ART 1011	Drawing I	3
ART 1022	Drawing II	3
ART 1222	Two-Dimensional Concepts	3
ART 1333	Three-Dimensional Concepts	3
ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Studio Distribution *		**12**
Group 1: 2-D studio distribution (select two of the following)		
ART 2030	Graphic Design I	

ART 2050	Painting I	
ART 2070	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
Group 2: 3-D studio distribution (select two of the following)		
ART 2020	Ceramics I	
ART 2060	Performance Art I	
ART 2090	Sculpture I	
Studio Distribution plus: choose one course from the following:		**3**
ART 3020	Ceramics II	
ART 3030	Graphic Design II	
ART 3050	Painting II	
ART 3060	Performance Art II	
ART 3070	Creative Photography II	
ART 3080	Printmaking II: Applications	
ART 3090	Sculpture II	
History of Art Distribution		**9**
Choose any three 4000-level ARTHIST courses.		
B.F.A courses		
B.F.A. portfolio admission review		
ART 4010/5010	Professional Practices	3
ART 4300/5300	Seminar: Critical Issues in Contemporary Art	3
ART 4400	B.F.A. Exhibition	0
Studio Concentration		
		15
Five courses in any one of the following studio areas: ceramics, drawing (excluding Drawing I and Drawing II), graphic design, painting, performance art, photography, printmaking, or sculpture.		
ART 4111	B.F.A. Project I	3
ART 4222	B.F.A. Project II	3
Art Electives **		**9**
Total Hours		**78**

* All studio distribution courses must be taken outside the student's studio concentration.

** Courses chosen from studio, art history, or art education. Courses used in other categories cannot count toward these hours.

The B.F.A. Exhibition ART 4400 serves as the exit requirement for this degree program.

Bachelor of Arts Degree Programs

Art Major-Studio Emphasis

The B.A. Art-Studio Emphasis major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Foundations Sequence		
ART 1011	Drawing I	3
ART 1022	Drawing II	3
ART 1222	Two-Dimensional Concepts	3
ART 1333	Three-Dimensional Concepts	3
ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Studio Distribution *		**6**
Group 1: 2-D studio distribution (select one of the following)		
ART 2030	Graphic Design I	
ART 2050	Painting I	
ART 2070	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
Group 2: 3-D studio distribution (select one of the following)		
ART 2020	Ceramics I	
ART 2060	Performance Art I	
ART 2090	Sculpture I	
Studio distribution plus choose one course from the following		**3**
ART 3020	Ceramics II	
ART 3030	Graphic Design II	
ART 3050	Painting II	
ART 3060	Performance Art II	
ART 3070	Creative Photography II	
ART 3080	Printmaking II: Applications	
ART 3090	Sculpture II	
Art History Distribution		**6**
Choose two courses from any 4000-level ARTHIST courses		
Studio Concentration **		**12**
Studio Electives		**3**
Total Hours		**48**

* All studio distribution requirements must be taken outside the student's area of concentration.

** 12 hours in any one of the following areas: ceramics, drawing (excluding Drawing I and Drawing II), painting, performance art, photography, printmaking, or sculpture. Studio courses used to fulfill the studio distribution requirement cannot be used to fulfill requirements in the studio concentration.

Art Major-Art History Emphasis

The B.A. Art-Art History Emphasis major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Foundations Sequence		
ART 1011	Drawing I	3
ART 1022	Drawing II	3
ART 1222	Two-Dimensional Concepts	3
ART 1333	Three-Dimensional Concepts	3

ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Studio Distribution		**6**
Group 1: 2-D studio distribution (select one of the following)		
ART 2030	Graphic Design I	
ART 2050	Painting I	
ART 2070	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
Group 2: 3-D studio distribution (select one of the following)		
ART 2020	Ceramics I	
ART 2060	Performance Art I	
ART 2090	Sculpture I	
Choose any 7 of the following 4000-level Art History courses		**21**
ARTHIST 4002/5002	Ancient Near Eastern Art	
ARTHIST 4010/5010	Ancient Egyptian Art	
ARTHIST 4020/5020	Ancient Greek Art	
ARTHIST 4030/5030	Ancient Roman Art	
ARTHIST 4040/5040	Medieval Art	
ARTHIST 4900/5900	Myth and Narrative in Art	
ARTHIST 4300/5300	Italian Renaissance Art	
ARTHIST 4302/5302	Northern Renaissance Art	
ARTHIST 4310/5310	17th and 18th Century Art	
ARTHIST 4320/5320	19th Century Western Art	
ARTHIST 4350/5350	Early 20th Century Art	
ARTHIST 4362/5362	Late 20th Century and Contemporary Art	
ARTHIST 4002/5002	Ancient Near Eastern Art	
ARTHIST 4010/5010	Ancient Egyptian Art	
ARTHIST 4608/5608	Arts of Africa	
ARTHIST 4322/5322	History of Photography	
ARTHIST 4340/5340	History of Design	
ARTHIST 4352/5352	History of Performance Art	
ARTHIST 4900/5900	Myth and Narrative in Art	
ARTHIST 4950/5950	Race and Representation in Art	
Choose Either ARTHIST 4000/5000 OR ARTHIST 4999/5999		**3**
ARTHIST 4000/5000	Research Methods and Writing in Art History	
ARTHIST 4999/5999	Art History Seminar	
Total Hours		**48**

Art Education Major-Teaching

The Art Education-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, to complete the minimum of 120 hours.

Foundations Sequence		
ART 1011	Drawing I	3
ART 1022	Drawing II	3
ART 1222	Two-Dimensional Concepts	3
ART 1333	Three-Dimensional Concepts	3
ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Studio Distribution		**12**
Group 1: 2-D studio distribution (select two of the following)		
ART 2030	Graphic Design I	
ART 2050	Painting I	
ART 2070	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
Group 2: 3-D studio distribution (select two of the following)		
ART 2020	Ceramics I	
ART 2060	Performance Art I	
ART 2090	Sculpture I	
Art History Distribution		**6**
choose two courses from any 4000-level ARTHIST courses		
Professional Methods Courses *		
ARTED 2500	Foundations in Art Education	2
ARTED 2600	Methods in Elementary Art Education	3
ARTED 3505	Methods in Secondary Art Education	3
ARTED 4500	Issues and Theories in Art Education	2
Art Concentration **		**6**
Total Hours		**52**

* Completion of these courses will satisfy LRNTECH 1020 of the Professional Education Requirements.

** Courses used to fulfill the Art concentration may not be used to fulfill other requirements in this degree.

Art Education majors must choose an area of concentration in either Studio or Art History. An Art History concentration consists of two 4000-level ARTHIST courses not used to fulfill the art history distribution requirement. A concentration in Studio consists of two 3000 level in a single area (ceramics, drawing, graphic design, painting, performance art, photography, printmaking or sculpture) not used to fulfill the studio distribution requirement.

Graphic Design Major

The Graphic Design major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Foundations Sequence		
ART 1011	Drawing I	3
ART 1022	Drawing II	3
ART 1222	Two-Dimensional Concepts	3
ART 1333	Three-Dimensional Concepts	3

ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Studio Distribution*		6
Group 1: 2-D studio distribution (select one of the following)		
ART 2050	Painting I	
ART 2070	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
Group 2: 3-D studio distribution (select one of the following)		
ART 2020	Ceramics I	
ART 2060	Performance Art I	
ART 2090	Sculpture I	
Studio distribution plus (choose one course from the following)		3
ART 3020	Ceramics II	
ART 3050	Painting II	
ART 3060	Performance Art II	
ART 3070	Creative Photography II	
ART 3080	Printmaking II: Applications	
ART 3090	Sculpture II	
Art History Distribution		6
choose two courses from any 4000-level ARTHIST courses.		
Art:		6
ART 2030	Graphic Design I	
ART 3030	Graphic Design II	
Graphic Design Concentration (select three courses from the following major electives):		9
ART 3031	Graphic Design: Identity System Design	
ART 3032	Graphic Design: Digital Image Design	
ART 3033	Graphic Design: Typography	
ART 3034	Graphic Design: Publication Design	
ART 3035	Graphic Design: Motion Graphics	
ART 3036	Graphic Design: Web and Interactive Design	
ART 3037	Graphic Design: Book Structures	
ART 3038	Graphic Design: Portfolio Preparation	
Total Hours		**48**

* *All studio distribution courses must be taken outside the student's area of concentration.

Minors

Art Minor

Foundations Sequence		
ART 1011	Drawing I	3
ART 1222	Two-Dimensional Concepts	3
ART 1333	Three-Dimensional Concepts	3
ARTHIST 1111	Survey of Art History I	3
or ARTHIST 1222	Survey of Art History II	
Art Studio Electives (listed below)		**9**
ART 1022	Drawing II	
ART 2020	Ceramics I	
ART 2030	Graphic Design I	
ART 2050	Painting I	
ART 2060	Performance Art I	
ART 2070	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
ART 2090	Sculpture I	
ART 3001	Drawing III	
ART 3011	Life Drawing	
ART 3020	Ceramics II	
ART 3030	Graphic Design II	
ART 3031	Graphic Design: Identity System Design	
ART 3033	Graphic Design: Typography	
ART 3034	Graphic Design: Publication Design	
ART 3050	Painting II	
ART 3055	Painting III	
ART 3060	Performance Art II	
ART 3066/5066	Performance Art III	
ART 3070	Creative Photography II	
ART 3077	Creative Photography III	
ART 3078	Color Photography	
ART 3080	Printmaking II: Applications	
ART 3088	Printmaking III: Directions	
ART 3090	Sculpture II	
ART 3099	Sculpture III	
ART 4000	Undergraduate Studio	
Total Hours		**21**

Art Education-Teaching

The Art Education (K-8)-Teaching minor requires 26 hours of studio, art history, and art teaching methods courses. This minor requires students to be in the Teacher Education Program.

This minor provides undergraduate education majors who wish to also teach art an opportunity to earn State of Iowa Teacher licensure (113) in K-8 Art Teaching.

Foundations Courses:

ART 1011	Drawing I	3
ART 1222	Two-Dimensional Concepts	3

ART 1333	Three-Dimensional Concepts	3
ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Studio Courses:		
2D Distribution (choose one of the following):		3
ART 1022	Drawing II	
ART 2030	Graphic Design I	
ART 2050	Painting I	
ART 2070	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
3D Distribution (choose one of the following):		3
ART 2020	Ceramics I	
ART 2060	Performance Art I	
ART 2090	Sculpture I	
Professional Methods Courses:		
ARTED 2500	Foundations in Art Education	2
ARTED 2600	Methods in Elementary Art Education	3
Total Hours		**26**

Art History Minor

Foundations Art History		
ARTHIST 1111	Survey of Art History I	3
ARTHIST 1222	Survey of Art History II	3
Foundations Studio		
ART 1011	Drawing I	3
ART 1222	Two-Dimensional Concepts	3
or ART 1333	Three-Dimensional Concepts	
Art History		**9**
Select three of the following:		
ARTHIST 4000/5000	Research Methods and Writing in Art History	
ARTHIST 4002/5002	Ancient Near Eastern Art	
ARTHIST 4003/5003	Collections Care and Management	
or HIST 4003/5003	Collections Care and Management	
ARTHIST 4010/5010	Ancient Egyptian Art	
ARTHIST 4020/5020	Ancient Greek Art	
ARTHIST 4030/5030	Ancient Roman Art	
ARTHIST 4040/5040	Medieval Art	
ARTHIST 4300/5300	Italian Renaissance Art	
ARTHIST 4302/5302	Northern Renaissance Art	
ARTHIST 4310/5310	17th and 18th Century Art	
ARTHIST 4320/5320	19th Century Western Art	
ARTHIST 4322/5322	History of Photography	
ARTHIST 4340/5340	History of Design	
ARTHIST 4350/5350	Early 20th Century Art	
ARTHIST 4352/5352	History of Performance Art	
ARTHIST 4362/5362	Late 20th Century and Contemporary Art	
ARTHIST 4608/5608	Arts of Africa	
ARTHIST 4900/5900	Myth and Narrative in Art	
ARTHIST 4999/5999	Art History Seminar	
ARTHIST 4950/5950	Race and Representation in Art	
Total Hours		**21**

Master of Arts Degree Programs

Major in Art Education

The MA in Art Education is offered by the Art Department for practicing teachers in the field of art education. The program provides a comprehensive and contemporary orientation to the study and practice of art education. The Curriculum aligns with student activities in classroom experiences. Includes courses addressing models of inquiry and practice that help to establish stronger links between theory and practice in art education. Delivered on a cohort basis and completed in five consecutive semesters beginning with fall (six credit hours each semester)

Application Materials:

- Students interested in this program must submit a completed Application for Admission to Graduate Study. Applicants should refer to their MyUNIverse Student Center To-Do list or contact the Department of Art for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.
- The Graduate Record Examination (General Test) is not required for admission to the program.

Admission to the MA in Art Education program will be based on the following criteria:

- Resume with record of professional activity and service.
- Statement of purpose including research interests and goals for pursuing the MA in Art Education.
- Two letters of recommendation.
- Teaching philosophy.

Program Requirements:

- Applicants must have a B.A. in Art Education. Applicants with a B.A. in Art History or B.A. or B.F.A. in Studio Art must also have teaching certification. Qualified applicants are admitted by the Graduate Faculty Admissions Committee following selective review of prior academic achievement.

This major is available as a non-thesis option, and requires 30 semester hours, including 3 hours of ART 6299 (Research). 9 hours of ARTED 6500 (Seminar in Teaching Art) coursework is required. Satisfactory completion of an applied project approved by the Art Education Graduate Faculty is required.

Required:

ARTED 6000	Themes in Art Education	3
ARTED 6100	Holistic Approaches for Art Education	3
ARTED 6200	Curriculum and Pedagogy in Art Education	3
ARTED 6285 Readings in Art Education		3
ARTED 6286 Studies in Art Education		3

ARTED 6300	Research Methods in Art Education	3
ARTED 6500	Seminar in Teaching Art	9
ART 6299	Research	3
Total Hours		**30**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Art or Department of History or the Office of the Registrar, which serves as the centralized registry.

Certificate in Museum Studies

The Museum Studies Certificate exposes students to the array of occupations in the museum industry and provides them the opportunity to add an experiential component to their academic education. The certificate is available to upper-division undergraduate and graduate students who have completed the introductory course, seminar, internship, and methods and elective courses in their field of study.

The Museum Studies Certificate complements the existing frameworks of department majors. Students will take two or three (depending on variable major requirements) classes (including HIST 4020/5020/ANTH 3440/5440 Introduction to Museum Studies and ARTHIST 4003/5003/HIST 4003/5003 Collections Care and Management hosted by UNI Gallery of Art and UNI Museum), as well as an internship with a community partner. These internships and electives for the Museum Studies Certificate may be counted towards their major electives and/or university electives. For example, Textile and Apparel requires internships as part of the major; the internship requirements of the MSC will complement that major requirement. HIST 4020/5020/ANTH 3440/5440 Introduction to Museum Studies and ARTHIST 4003/5003/HIST 4003/5003 Collections Care and Management with UNI Gallery of Art and UNI Museum will be available every year.

The introductory course is taught by faculty in the History department, the seminar in collections care and management is conducted through the Art department by UNI Gallery of Art in conjunction with UNI Museum. Department faculty liaisons in students' major departments define the methods and elective curricula and oversee their students' museum internships.

HIST 4020/ ANTH 3440/5440	Introduction to Museum Studies	3
HIST/ARTHIST 4003	Collections Care and Management	3
Major Department - External Museums Internship (see internship options below)		3-4
Major Department - Methods (see methods options below)		3-4
Major Department - Electives (see elective options below)		3-4
Total Hours		**15-18**

Internship Options:		
(Internships are specific to each department and are conducted at an institution that identifies as a museum.)		
ANTH 4485	Anthropology Internship	3
ART 3179 Cooperative Internship		3
ART 4186/5186 Studies in:		3
BIOL 3179	Cooperative Education	3
EARTHSCI 3179 Cooperative Internship		3
HIST 3179 Cooperative Internship		3
HIST 4030/5030	Internship in Historical Studies	3
HIST 4186/5186 Studies in:		3
TEXDSGN 4195	Internship in Textile and Apparel	4
RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	3-4
Methods Options:		
ANTH 3450	Archaeological Fieldwork	3
ARTHIST 4000/5000	Research Methods and Writing in Art History	3
ART 4300/5300	Seminar: Critical Issues in Contemporary Art	3
BIOL 3106	Vertebrate Anatomy	4
BIOL 3112	Invertebrate Zoology	4
BIOL 3170	Entomology	3
BIOL 4164/5164	Mammalogy	4
BIOL 4166/5166	Plant Systematics	4
EARTHSCI 1100	Astronomy	3
EARTHSCI 3210/5210	Meteorology	4
EARTHSCI 3325/5325	Sedimentary Geology	4
HIST 4010/5010	Introduction to Public History	3
RTNL 4552/5552	Theory and Practice of Outdoor Education	3
TEXDSGN 2004	EuroAmerican Fashion Design History	3
Elective Options:		
ANTH 2018	Food and Culture	3
ANTH 2430	Bioarchaeology	3
ANTH 3202/5202	Human Biological Variation	3
ANTH 3501	Research Experience in Anthropology	3
ARTHIST: Any Art History 4000-level course		3
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science	3
BIOL 3106	Vertebrate Anatomy	4
BIOL 3112	Invertebrate Zoology	4
BIOL 3118	Marine Biology	3
BIOL 3120	Plant Diversity and Evolution	4
BIOL 3160	Field Zoology of Vertebrates	4
BIOL 3170	Entomology	3
BIOL 4164/5164	Mammalogy	4
BIOL 4166/5166	Plant Systematics	4

BIOL 4167/5167	Conservation Biology	3
CHEM 4310/5310	Instrumental Analysis	3
EARTHSCI 3110/5110	Observational Astronomy	2
EARTHSCI 3220/5220	Weather Analysis and Forecasting	3
EARTHSCI 3330/5330	Geomorphology	4
EARTHSCI 3340/5340	Oceanography	3
HIST: Any History 4000-level course		3
TEXDSGN 1002	Textile Science	3
RTNL 2130	Foundations of the Nonprofit Sector	3
RTNL 3121	Philosophical Foundations of Recreation, Tourism and Nonprofit Leadership	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
TEXDSGN 2007	Apparel Assembly and Technical Design	3

Department of Biology

(College of Humanities, Arts and Sciences)

www.biology.uni.edu

The Department of Biology offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Biology section in the following order:

Undergraduate Major (B.S.)

- Biology (p. 145)
- Environmental Science (p. 145) (also listed in Department of Earth and Environmental Sciences)

Undergraduate Majors (B.A.)

- Biology (p. 147)
- Biology: Biomedical Emphasis (p. 148)
- Biology: Ecology, Evolution and Organismal Biology Emphasis (p. 149)
- Biology-Teaching (p. 150)
- Environmental Resource Management (p. 151) (also listed in Department of Geography, Department of Earth and Environmental Sciences, and Department of Health, Recreation and Community Services)

Minors

- Biology (p. 155)
- Biology-Teaching (p. 155)

Graduate Major (M.S.)

- Biology (p. 155)

Major programs are offered by the Department of Biology in two baccalaureate areas: the Bachelor of Arts and the Bachelor of Science. The Bachelor of Science degree is recommended for most students preparing for graduate study in biology. The Bachelor of Arts degree provides a choice among several tracks depending upon student interest and/or career plans.

Note: Students should submit their declaration of a biology major early in their college programs. This will permit them to plan their major courses with a department advisor to avoid future conflicts. Transfer students with previous courses in biology, zoology, or botany must have transfer courses evaluated to avoid duplication and possible loss of credit. Decisions regarding UNI major courses and transfer credits should be approved by the department head.

Academic Standard Policy

Majors

1. Students should indicate their interest in majoring in biology by filling out a Declaration of Curriculum form any time after their admission to UNI.
2. A student's freshman year shall be devoted primarily to completing the required course work in general biology (BIOL 2051 General Biology: Organismal Diversity and BIOL 2052 General Biology: Cell Structure and Function) and chemistry (CHEM 1110 General Chemistry I and CHEM 1120 General Chemistry II, or CHEM 1130 General Chemistry I-II). UNIFI/General Education and/or math classes should be taken by students to complete their schedules.
3. For the BS Biology, the BS Environmental Science, the BA Biology, the BA Biology Biomedical Emphasis, the BA Biology-Teaching, and the BA Biology Ecology, Evolution and Organismal Biology emphasis, students must receive a grade of C- (1.67) or higher in courses that are applied to their major. Prior to enrollment in a course, all prerequisites must be completed with a C- (1.67) or higher.
4. ALEKS is a mathematics placement exam used at the University of Northern Iowa. Your academic advisor will use your score on the ALEKS assessment to determine your placement in UNI mathematics, chemistry, and physics courses.
5. A student enrolled in a biology class during fall or spring semester, or who drops a biology course after the first seven days of classes, should contact the department if they want to take the class again in an immediately subsequent semester. The student will only be allowed to register if space remains after all advanced registrations are completed.
6. To graduate from UNI with a BS Biology, a BA Biology, a BA Biology Biomedical Emphasis, or a BA Biology Ecology, Evolution and Organismal Biology emphasis, students must have both a cumulative and a major UNI GPA of 2.00 or higher, with a grade of C- (1.67) or higher in all courses that are applied to the major. To graduate from UNI with a BA Biology-Teaching, students must have both a cumulative and a major UNI GPA of 2.50 or higher, with a grade of C- (1.67) or higher in all courses that are applied to the major.
7. With the exception of the Biology 3+1 Joint program, to graduate from UNI with a biology major, students must take seven (7) hours of biology at the 4000-level, with four (4) of those hours being taken at UNI.

8. Transfer students entering UNI shall be subject to the acceptance requirements listed in #3.

Minors

To graduate from UNI with a biology minor, students must have both a cumulative and a minor UNI GPA of **2.00** or higher, with a grade of C- (1.67) or higher in all courses that are applied to the minor.

Notes:

1. A student can declare only **one** major within the Department of Biology.
2. A student with a major within the Department of Biology cannot declare a Biology minor or a Biology-Teaching minor.
3. A student with a major in the interdisciplinary B.A. Environmental Resource Management: Ecosystems Track may not also declare a major or minor in biology.
4. A student with a major in the interdisciplinary B.S. Environmental Science: Environmental Life Science Track may not also declare a major or minor in biology.

Bachelor of Science Degree Program

Emphasis-Honors Research

Students invited to do Honors Research will complete 4 credit hours of BIOL 3190 Undergraduate Research in Biology and 1 credit hour of BIOL 3191 Senior Thesis. The Biology BS degree is eligible for Honors Research.

Biology Major

The B.S. Biology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Bachelor of Science Biology major is designed to prepare students for careers in areas which require a higher degree of concentration in subject matter and cognate areas, particularly advanced-level courses. This degree is especially appropriate for students planning graduate study. In order to ensure graduation within eight semesters, students should work with advisors early in their programs, as advanced planning for sequenced courses is very important.

Course List

Required: *		
Introductory track:		15
BIOL 2051	General Biology: Organismal Diversity	
BIOL 2052	General Biology: Cell Structure and Function	
BIOL 3100	Evolution, Ecology and the Nature of Science	
BIOL 3140	Genetics	
Biology:		5
BIOL 3190	Undergraduate Research in Biology @	
BIOL 4157/5157	Biostatistics	
Cognate courses:		
Chemistry and Biochemistry:		13-16
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II	
or CHEM 1130	General Chemistry I-II	
CHEM 2210	Organic Chemistry I	
CHEM 2220	Organic Chemistry II	
CHEM 2230	Organic Chemistry Laboratory	
Mathematics:		3-4
MATH 1420	Calculus I	
or STAT 1772	Introduction to Statistical Methods	
Physics:		8
PHYSICS 1511	General Physics I	
PHYSICS 1512	General Physics II	
Electives in Biology: †, ^		19
Any BIOL 3000-level or above (including CHEM 4510/5510 or MATH 1421). BIOL 3101 will not count as an elective.		
Total hours		63-67

*	At least 7 credits of BIOL 4xxx (excludes BIOL 4198) are required for the degree. At least 4 of these credits must be completed at UNI.
†	BIOL 3000-level or above, excluding BIOL 3101 Anatomy and Physiology I. CHEM 4510/5510 or MATH 1421 will also count as an elective.
^	No more than 4 credits from BIOL 3185 Readings in Biology, BIOL 3190 Undergraduate Research in Biology, and BIOL 4198 Independent Study will be counted toward biology degree requirements.
@	This course meets the Bachelor of Science undergraduate research course requirement.

Environmental Science Major

The B.S. Environmental Science program will include two curricular paths for students, one with a life science emphasis and the other with an earth science emphasis. The program will enable students to prepare for a graduate program in the environmental sciences or to directly enter industry in the public or private sector. All students will have a common core of courses providing a foundation in biology and geosciences, and will also be required to take part in a capstone research project.*

For students pursuing the B.S. Environmental Science major, the Department of Biology will waive BIOL 2052 as a prerequisite for BIOL 3000-level courses.

For students pursuing the B.S. Environmental Science major, the Department of Biology will waive BIOL 3140 as a prerequisite for BIOL 4000-level courses.

A student with a major in the interdisciplinary B.S. Environmental Science: Environmental Life Science Track may not also declare a major or minor in biology.

Required Core

BIOL 2051	General Biology: Organismal Diversity	4

BIOL 3100	Evolution, Ecology and the Nature of Science	3
CHEM 1110	General Chemistry I	4
CHEM 1120	General Chemistry II	4
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1300	Introduction to Geology	4
GEOG 2410	Geographic Information Systems I	3
MATH 1420	Calculus I	4
BIOL 3190	Undergraduate Research in Biology	3
or EARTHSCI 4400	Undergraduate Research in Earth and Environmental Science	
Choose one of the following tracks outlined below:		**33**
Environmental Life Sciences Track		
Environmental Earth Science Track		
Total Hours		**65**

Environmental Life Sciences Track

Required:		7
BIOL 4157/5157	Biostatistics	
BIOL 4168/5168	Ecology	
Electives:		26
Pick courses from each of the three categories (A, B, & C) to accumulate to a minimum of 26 hours.		
Category A - Content Policy Related Courses (select a minimum of 2 courses)		
BIOL 4105/5105	Wildlife Ecology and Management	
BIOL 4108/5108	Biodiversity Conservation Policy	
BIOL 4167/5167	Conservation Biology	
BIOL 4180/5180	Restoration Ecology	
Category B - Content Biology Related Courses (select a minimum of 2 courses)		
BIOL 3112	Invertebrate Zoology	
BIOL 3120	Plant Diversity and Evolution	
BIOL 3151	General Microbiology	
BIOL 3170	Entomology	
BIOL 4164/5164	Mammalogy	
BIOL 4166/5166	Plant Systematics	
Category C - Cognates (select a minimum of 2 courses)		
CHEM 2040	Applied Organic and Biochemistry	
or CHEM 2210	Organic Chemistry I	
EARTHSCI 1320	Earth History	
EARTHSCI 3210/521	Meteorology	
EARTHSCI 3230/523	Air Quality	
EARTHSCI 3325/532	Sedimentary Geology	
EARTHSCI 3330/533	Geomorphology	
EARTHSCI 3340/534	Oceanography	
EARTHSCI 3345/5345	Environmental Geology	
EARTHSCI 3350/535	Environmental Hydrology	
EARTHSCI 3355/5355	Hydrogeology	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 3220	Environmental Geography: Variable Topic	
GEOG 3380	Remote Sensing of the Environment	
GEOG 3410	Geographic Information Systems II	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4240/5240	The Ice Age **	
MATH 1421	Calculus II	
Total Hours		**33**

Environmental Earth Science Track

Required:		13
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3230/523	Air Quality	
EARTHSCI 3345/5345	Environmental Geology	
EARTHSCI 3350/535	Environmental Hydrology	
Electives:		20
Pick courses from each of the Categories (A & B) to accumulate a minimum of 20 hours		
Category A - Physical Environment Relate Courses (select a minimum of 4 courses)		
EARTHSCI 1320	Earth History	
EARTHSCI 3210/521	Meteorology	
EARTHSCI 3240/524	Air Quality Modeling	
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality	
EARTHSCI 3322	Earth Materials	
EARTHSCI 3325/532	Sedimentary Geology	
EARTHSCI 3327/532	Paleoclimatology	
EARTHSCI 3330/533	Geomorphology	
EARTHSCI 3340/534	Oceanography	
EARTHSCI 3355/5355	Hydrogeology	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	
Category B - Cognates (select a minimum of 2 courses)		
BIOL 3112	Invertebrate Zoology	
BIOL 3120	Plant Diversity and Evolution	
BIOL 3170	Entomology	
BIOL 4105/5105	Wildlife Ecology and Management	
BIOL 4108/5108	Biodiversity Conservation Policy	
BIOL 4157/5157	Biostatistics	
BIOL 4164/5164	Mammalogy	
BIOL 4166/5166	Plant Systematics	
BIOL 4167/5167	Conservation Biology	
BIOL 4168/5168	Ecology	

BIOL 4180/5180	Restoration Ecology	
CHEM 2040	Applied Organic and Biochemistry	
or CHEM 2210	Organic Chemistry I	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 3220	Environmental Geography: Variable Topic **	
GEOG 3380	Remote Sensing of the Environment	
GEOG 3410	Geographic Information Systems II	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4240/5240	The Ice Age **	
MATH 1421	Calculus II	
Total Hours		**33**

* Students must receive a grade of C- (1.67) or higher in courses that are applied to their major. Prior to enrollment in a course, all prerequisites must be completed with a C- (1.67) or higher.

** These courses have additional prerequisites as follows:
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
GEOG 4240/5240 has prerequisite of GEOG 1210; GEOG 2210; EARTHSCI 1300.

Bachelor of Arts Degree Programs

Emphasis-Honors Research

Students invited to do Honors Research will complete 4 credit hours of BIOL 3190 Undergraduate Research in Biology and 1 credit hour of BIOL 3191 Senior Thesis. The following BA degrees are eligible for Honors Research: Biology BA, Biology: Biomedical BA, and Biology: Ecology, Evolution and Organismal Biology BA.

Biology Major

The B.A. Biology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major provides a broad training in biology but allows different specializations through choice of electives. Students who select this major to prepare themselves for graduate study in the biological sciences should consult with their advisor for elective courses. Field courses offered during the summer program at Iowa Lakeside Laboratory may be accepted for biology elective credit.

Required: *

Introductory track:		15
BIOL 2051	General Biology: Organismal Diversity	
BIOL 2052	General Biology: Cell Structure and Function	
BIOL 3100	Evolution, Ecology and the Nature of Science	
BIOL 3140	Genetics	
Cognate courses:		
Chemistry and Biochemistry:		9-13
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II	
or CHEM 1130	General Chemistry I-II	
CHEM 2210 & CHEM 2230	Organic Chemistry I and Organic Chemistry Laboratory	
or CHEM 2040	Applied Organic and Biochemistry	
Mathematics:		3-5
Select one of the following:		
MATH 1120 & MATH 1130	Mathematics for Biological Sciences and Trigonometry	
MATH 1140	Precalculus	
MATH 1420	Calculus I	
STAT 1772	Introduction to Statistical Methods	
Earth Science/Physics (select one of the following):		8
EARTHSCI 1300 & EARTHSCI 1320	Introduction to Geology and Earth History	
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	
Electives in Biology: †, ^		18
Any BIOL 3000-level or above (including CHEM 2220 or CHEM 4510/5510). BIOL 3101 will not count as an elective.		
Total hours		53-59

* At least 7 credits of BIOL 4xxx (excludes BIOL 4198) are required for the degree. At least 4 of these credits must be completed at UNI.

† BIOL 3000-level or above, excluding BIOL 3101 Anatomy and Physiology I. CHEM 2220 or CHEM 4510/5510 will also count as an elective.

^ No more than 4 credits from BIOL 3185 Readings in Biology, BIOL 3190 Undergraduate Research in Biology, and BIOL 4198 Independent Study will be counted toward biology degree requirements.

Biology 3+1 Joint Major

Students interested in one of the following professional programs may complete the basic work on the University of Northern Iowa campus and transfer back to UNI a year's credit from the professional school to complete the requirements for a Bachelor of Arts degree in Biology at UNI:

- Chiropractic
- Medical Laboratory Sciences
- Nursing 3+1

A student shall complete the core and cognate requirements for the B.A. (Joint Program Option) in Biology, an additional 10 credits at the BIOL 3000/4000 level, and have a total of 90 semester hours

recognized by UNI, at least 32 of which were completed at UNI. The professional courses transferred must bring the total hours to at least 120 semester hours. Credit is accepted only from professional schools which are fully accredited. Details of the B.A. (Joint Program Option) are available from the Biology Department.

The student must know the requirements for entrance to the professional school so as to be able to take at the University of Northern Iowa the work required for admission while at the same time meeting UNI degree requirements. The student will work with the Biology Department advisor who will help in the selection of proper courses.

A student who meets the above requirements may use professional credit from one of the approved professional programs with which the Department of Biology has an articulation agreement to satisfy the remaining hours required for the baccalaureate degree at the University of Northern Iowa. The student shall have completed all of the specific requirements for the B.A. (Joint Program Option).

Required:		
Introductory Track		15
BIOL 2051	General Biology: Organismal Diversity	
BIOL 2052	General Biology: Cell Structure and Function	
BIOL 3100	Evolution, Ecology and the Nature of Science	
BIOL 3140	Genetics	
Cognate Courses:		
Chemistry and Biochemistry:		9-13
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II	
or CHEM 1130	General Chemistry I-II	
CHEM 2210 & CHEM 2230	Organic Chemistry I and Organic Chemistry Laboratory	
or CHEM 2040	Applied Organic and Biochemistry	
Mathematics:		3-5
Select one of the following:		
MATH 1120 & MATH 1130	Mathematics for Biological Sciences and Trigonometry	
MATH 1140	Precalculus	
MATH 1420	Calculus I	
STAT 1772	Introduction to Statistical Methods	
Earth Science/Physics (select one of the following):		8
EARTHSCI 1300 & EARTHSCI 1320	Introduction to Geology and Earth History	
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	
Electives in Biology (3000/4000 level) ^		10
Total Hours		**45-51**

^ No more than 4 credits from BIOL 3185 Readings in Biology, BIOL 3190 Undergraduate Research in Biology, and BIOL 4198 Independent Study will be counted toward biology degree requirements.

Biology Major: Biomedical Emphasis

The B.A. Biology Major: Biomedical Emphasis requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major offers basic preparation to students for allopathic, osteopathic, chiropractic, pharmacy, physical therapy, dental, veterinary, optometric, podiatric and other health-related programs. In addition, it prepares students for graduate study in biomedical sciences, e.g., pharmacology, toxicology, pathology, physiology, cellular biology, and related areas. Students should seek advice and information early in their programs so that individual goals and specific additional requirements of some graduate and professional programs can be considered in curricular planning.

Required: *		
Introductory track:		15
BIOL 2051	General Biology: Organismal Diversity	
BIOL 2052	General Biology: Cell Structure and Function	
BIOL 3100	Evolution, Ecology and the Nature of Science	
BIOL 3140	Genetics	
Anatomy and Physiology group:		8
BIOL 3101	Anatomy and Physiology I	
or BIOL 3106	Vertebrate Anatomy	
BIOL 3102	Anatomy and Physiology II	
Cognate courses:		
Chemistry and Biochemistry:		13-16
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II	
or CHEM 1130	General Chemistry I-II	
CHEM 2210	Organic Chemistry I	
CHEM 2220	Organic Chemistry II	
CHEM 2230	Organic Chemistry Laboratory	
Mathematics:		3-5
Select one of the following:		
MATH 1120 & MATH 1130	Mathematics for Biological Sciences and Trigonometry	
MATH 1140	Precalculus	
MATH 1420	Calculus I	
STAT 1772	Introduction to Statistical Methods	
Physics:		8
PHYSICS 1511	General Physics I	
PHYSICS 1512	General Physics II	
Electives selected from the following (consult with advisor): ^		10
BIOL 3106	Vertebrate Anatomy §	
BIOL 3108	Vertebrate Histology	

BIOL 3147	Cancer and Emerging Infectious Diseases	
BIOL 3151	General Microbiology	
BIOL 3190	Undergraduate Research in Biology	
BIOL 4114/5114	Comparative Animal Physiology	
BIOL 4116/5116	Neurobiology	
BIOL 4128/5128	Cell Biology	
BIOL 4129/5129	Genomics	
BIOL 4130/5130	Genetic Technologies in Medicine	
BIOL 4137/5137	Vertebrate Physiology	
BIOL 4144/5144	Virology	
BIOL 4146/5146	Developmental Biology of Animals	
BIOL 4150/5150	Immunology	
BIOL 4157/5157	Biostatistics	
BIOL 4164/5164	Mammalogy	
CHEM 4510/5510	Biochemistry I **	
Total hours		57-62

* At least 7 credits of of BIOL 4xxx (excludes BIOL 4198) are required for the degree. At least 4 of these credits must be completed at UNI.

^ No more than 3 credits of BIOL 3190 Undergraduate Research in Biology will be counted toward biology elective requirements for this degree. For students pursuing the Honors Emphasis, the remaining credit of BIOL 3190 Undergraduate Research in Biology and BIOL 3191 Senior Thesis will be applied to university electives.

§ If not used to satisfy the Anatomy and Physiology group requirement.

** For students pursuing graduate programs in Allopathic or Osteopathic Medicine, Physician Assistant, or Veterinary Medicine, Biochemistry I (CHEM 4510) and Biochemistry II (CHEM 4520) are recommended and would satisfy a Chemistry minor in addition to the BA Biology Biomedical degree.

Biology Major: Ecology, Evolution and Organismal Biology Emphasis

The B.A. Biology Major: Ecology, Evolution and Organismal Biology Emphasis requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This emphasis provides training to students interested in organismal and/or ecological biology. This emphasis is appropriate for students interested in a career with private and governmental organizations conducting endangered species recovery, ecological restoration, biological surveys, toxicity evaluations, environmental impact analyses, field research, museum or herbarium curation, or who wish to work in zoos, nature centers, museums, or botanical gardens. This emphasis also provides suitable background for students wishing to pursue graduate degrees in animal behavior, botany, conservation biology, ecology, environmental toxicology, evolutionary biology, systematics, population biology, and zoology. Students should seek advice and information early in their programs so that individual goals and specific additional requirements of some graduate and professional programs can be considered in curricular planning. Field courses offered during the summer program at Iowa Lakeside Laboratory may be accepted for biology elective credit.

Required: *		
Introductory track:		15
BIOL 2051	General Biology: Organismal Diversity	
BIOL 2052	General Biology: Cell Structure and Function	
BIOL 3100	Evolution, Ecology and the Nature of Science	
BIOL 3140	Genetics	
Cognate courses:		
Chemistry and Biochemistry:		5-8
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II	
or CHEM 1130	General Chemistry I-II	
Mathematics:		3-5
Select one of the following:		
MATH 1120 & MATH 1130	Mathematics for Biological Sciences and Trigonometry	
MATH 1140	Precalculus	
MATH 1420	Calculus I	
STAT 1772	Introduction to Statistical Methods	
Physical Science		4
EARTHSCI 1300	Introduction to Geology	
or PHYSICS 1511	General Physics I	
Electives: select from the following (consult with advisor):		26
Biology: ^		
BIOL 3106	Vertebrate Anatomy	
BIOL 3107	Environmental Physiology	
BIOL 3112	Invertebrate Zoology	
BIOL 3118	Marine Biology	
BIOL 3120	Plant Diversity and Evolution	
BIOL 3160	Field Zoology of Vertebrates	
BIOL 3170	Entomology	
BIOL 3174	Field Biology: _____	
BIOL 3185	Readings in Biology	
BIOL 3190	Undergraduate Research in Biology	
BIOL 4105/5105	Wildlife Ecology and Management	
BIOL 4108/5108	Biodiversity Conservation Policy	
BIOL 4114/5114	Comparative Animal Physiology	
BIOL 4122/5122	Plant Physiology	
BIOL 4137/5137	Vertebrate Physiology	

BIOL 4142/5142	Evolutionary Biology	
BIOL 4146/5146	Developmental Biology of Animals	
BIOL 4157/5157	Biostatistics	
BIOL 4164/5164	Mammalogy	
BIOL 4166/5166	Plant Systematics	
BIOL 4167/5167	Conservation Biology	
BIOL 4168/5168	Ecology	
BIOL 4172/5172	Developmental Plant Anatomy	
BIOL 4180/5180	Restoration Ecology	
BIOL 4198	Independent Study	
CHEM 2040	Applied Organic and Biochemistry	
or CHEM 2210 & CHEM 2230	Organic Chemistry I and Organic Chemistry Laboratory	
GEOG 2410	Geographic Information Systems I	
or GEOG 4220/522	Soils and Landscapes	
Total hours		53-58

* At least 7 credits of BIOL 4xxx (excludes BIOL 4198) are required for the degree. At least 4 of these credits must be completed at UNI.

^ No more than 4 credits from BIOL 3185 Readings in Biology, BIOL 3190 Undergraduate Research in Biology, and BIOL 4198 Independent Study will be counted toward biology degree requirements.

Biology Major-Teaching

The B.A. Biology-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 120 hours.

The Biology Teaching major provides a broad education in biology. Along with professional education courses and student teaching, this curriculum is a sound preparation for teaching life science, biology, and other secondary science courses. This is an extended program requiring at least nine semesters; therefore, students should contact their advisors early in their program. This program is an excellent preparation for graduate work in biology or science education.

This major leads to endorsement #151 5-12 Biological Science.

Required: *		
Introductory track:		
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3100	Evolution, Ecology and the Nature of Science	3
BIOL 3140	Genetics	4
Evolutionary Biology:		
BIOL 4142/5142	Evolutionary Biology	3
Plant group:		4
Select one of the following:		
BIOL 3120	Plant Diversity and Evolution	
BIOL 4122/5122	Plant Physiology	
BIOL 4166/5166	Plant Systematics	
BIOL 4172/5172	Developmental Plant Anatomy	
Animal group:		4
Select one of the following:		
BIOL 3102	Anatomy and Physiology II **	
BIOL 3106	Vertebrate Anatomy	
BIOL 4114/5114	Comparative Animal Physiology	
BIOL 4146/5146	Developmental Biology of Animals	
Cellular group:		4
Select one of the following:		
BIOL 3151	General Microbiology	
BIOL 4128/5128	Cell Biology	
Cognate courses:		
Chemistry and Biochemistry:		
CHEM 1110	General Chemistry I	4
CHEM 1120	General Chemistry II ^	4
CHEM 2040	Applied Organic and Biochemistry	4
Earth Science:		
EARTHSCI 1320	Earth History ^^	4
Physics:		
PHYSICS 1511	General Physics I	4
Methods:		
Science and Science Education:		
SCI ED 3300/5300	Orientation to Science Teaching	4
SCI ED 4800/5800	Methods for Teaching Secondary Science or MTSS (Methods for Teaching Secondary Science)	3
Teaching:		
TEACHING 3129	Secondary and Special-Area Classroom Management	1
Biology:		
Electives in Biology: †		4
Total Hours		**62**

* At least 7 hours of BIOL 4xxx (excludes BIOL 4198) is required.

** BIOL 3101 is a prerequisite for BIOL 3102. Students who take BIOL 3101 Anatomy and Physiology I will receive university elective credit. BIOL 3102 Anatomy and Physiology II will fulfill the Animal Group requirement. BIOL 3102 Anatomy and Physiology II cannot count as biology elective credit if used to fulfill the Animal Group requirement.

^ Students with excellent preparation in chemistry may substitute CHEM 1130 General Chemistry I-II plus 3 additional credit hours of biology or chemistry electives for CHEM 1110 General Chemistry I and CHEM 1120 General Chemistry II.

† Not more than four (4) semester hours of credit from BIOL 3185 Readings in Biology, BIOL 3190 Undergraduate Research in Biology, and BIOL 4198 Independent Study will be accepted for biology elective credit.

^^ EARTHSCI 1320 has a prerequisite of EARTHSCI 1300. This prerequisite is waived for Biology Teaching majors.

Environmental Resource Management Major

The Environmental Resource Management major is aimed at students searching for career options in the broadly-defined 'outdoor environment' that are related to natural resources, environmental systems, and sustainable development. This program will prepare students for careers in the environmental and human management of public and private spaces across differing categories of environmental systems - from public parks and lands to conservancy units managed by governmental and other non-profit agencies and organizations. This program aims to serve those students who do not wish to pursue careers as environmental scientists *per se* from more tightly focused 'environmental science' programs.

- *STUDENTS ARE REQUIRED TO TAKE THE CORE REQUIREMENTS (31 HOURS) AND MAY CHOOSE ONLY ONE OF THE FOUR SPECIALIZATION TRACKS (30-32 HOURS).*
- *Each track is composed of clusters of courses with a specific concentration, each of which has a separate hourly requirement.*
- *For purposes of this degree program, those prerequisite courses required by BIOL, EARTHSCI, GEOG, and RTNL for mid/upper-level courses in each Track THAT ARE NOT INCLUDED IN THE CORE REQUIREMENTS will normally be waived by the appropriate departments.*
- *The separate tracks allow students to specialize in the area of most general interest while the primary & secondary foci within each track make sure students also are exposed to a wide range of important auxiliary coursework.*
- *A student with a major in the interdisciplinary B.A. Environmental Resource Management: Ecosystems Track may not declare another major or minor in biology.*
- *By permission of the Provost's Office, students enrolled in the B.A. Environmental Resource Management major will be considered majors in all four of the participating departments.*

Core Requirements		
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science *	3
CHEM 1110	General Chemistry I	4
EARTHSCI 1300	Introduction to Geology	4
or		
GEOG 1210 & GEOG 1211	Planet Earth and Planet Earth Laboratory	
EARTHSCI 3330/5330	Geomorphology	4
GEOG 2260	Environmental Resource Management	3
GEOG 2410	Geographic Information Systems I	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
HIST 4170/5170	U.S. Environmental History	3
Total Hours		**31**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive the BIOL 2052 and CHEM 1120 prerequisites for enrollment into BIOL 3100.

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Department of Geography)

- Sustainability (Interdisciplinary)

- Outdoor Recreation (Department of Health, Recreation and Community Services)

- Tourism (Department of Health, Recreation and Community Services)

- Nonprofit Management Certificate (Department of Health, Recreation and Community Services)

- Environmental Health Certificate (Department of Health, Recreation and Community Services)

- Public History (Department of History)

Ecosystems Track

A total of 32 hours are needed for this track. There are 12 hours of required courses. In addition, student select courses from all three elective categories (A, B, & C) to accumulate to a minimum of 20 hours. At least one course must be taken from each elective category.

Required		
BIOL 4168/5168	Ecology **	4
CHEM 1120	General Chemistry II §	4
MATH 1140	Precalculus	3-4
or STAT 1772	Introduction to Statistical Methods	
Electives:		**20**
Category A - Content Management Related Courses (pick at least 1 course)		
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4108/5108	Biodiversity Conservation Policy **	
BIOL 4167/5167	Conservation Biology **	
BIOL 4180/5180	Restoration Ecology **	
Category B - Content Related Courses (pick at least 1 course)		
BIOL 3112	Invertebrate Zoology *	
BIOL 3118	Marine Biology *	
BIOL 3160	Field Zoology of Vertebrates *	
BIOL 3170	Entomology *	

BIOL 4157/5157	Biostatistics **
BIOL 4164/5164	Mammalogy **
BIOL 4166/5166	Plant Systematics **
BIOL 4172/5172	Developmental Plant Anatomy **
GEOG 4310/5310	GIS Applications: (Variable Topic)
GEOG 3410	Geographic Information Systems II
Category C - Cognates (pick at least 1 course)	
EARTHSCI 1200	Elements of Weather
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^
GEOG 2210	Modern Climate Change: Evidence and Predictions
GEOG 2240	Natural Hazards and Disasters
GEOG 2270	Science of Scenery
GEOG 3179	Cooperative Education in Geography ^
or BIOL 3179	Cooperative Education
or EARTHSCI 343	Internship
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership
or PH 4180	Internship
GEOG 3220	Environmental Geography: Variable Topic ^
GEOG 3380	Remote Sensing of the Environment
GEOG 4220/5220	Soils and Landscapes
GEOG 4240/5240	The Ice Age ^
GEOG 4250/5250	Laboratory Methods in Environmental Geography
MGMT 3183	Leadership Skills ^
MGMT 3185	Project Management ^
RTNL 2120	Foundations of Tourism
RTNL 4553/5553	Trends and Issues in Outdoor Recreation
RTNL/HIST 4556	History of Outdoor Recreation
Total Hours	**31-32**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 and CHEM 1120 for BIOL 3000-level courses.

** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 as a prerequisite for BIOL 4000-level courses.

§ Students pursuing the Ecosystems track can take CHEM 1110 and CHEM 1120 (8 credits) OR CHEM 1130 (5 credits). CHEM 1130 is designed for students with exceptional preparation in Chemistry. Taking CHEM 1130 changes the total degree requirement from 62-63 credit hours to 59-60 credit hours.

^ These courses have additional prerequisites as follows:
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
GEOG 4240/5240 has prerequisites of GEOG 1210; GEOG 2210; EARTHSCI 1300; or consent of instructor; junior standing.
MGMT 3183 has a prerequisite of MGMT 3965/5965.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4320 has prerequisites of three (3) credit hours of RTNL 31XX; junior standing. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive the prerequisites of 3 hours of RTNL 31XX.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Geosystems Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Electives

Primary Focus - Content Related Courses		**21**
EARTHSCI 1200	Elements of Weather	
EARTHSCI 3350/535	Environmental Hydrology ^	
EARTHSCI 3322	Earth Materials ^	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2240	Natural Hazards and Disasters	
GEOG 3220	Environmental Geography: Variable Topic * ^	
or		
EARTHSCI 3345/534	Environmental Geology ***	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 3380	Remote Sensing of the Environment	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
Secondary Focus - Management Cognates		**9**
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4180/5180	Restoration Ecology **	

EARTHSCI 3325/5325	Sedimentary Geology ****
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology
ECON 3225/5225	Environmental Economics ^
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^
GEOG 4170/5170	Climate Action Planning
GEOG 4240/5240	The Ice Age *
GEOG 2270	Science of Scenery
GEOG 4310/5310	GIS Applications: (Variable Topic) ^
GEOG 3410	Geographic Information Systems II
RTNL 2120	Foundations of Tourism
RTNL/HIST 4556	History of Outdoor Recreation
RTNL 4776/5776	Eco, Adventure and Sport Tourism
MGMT 3185	Project Management ^
POL AMER 3172	Public Budgeting ^
BIOL 3179	Cooperative Education ^
or GEOG 3179	Cooperative Education in Geography
or EARTHSCI 3430	Internship
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership
or PH 4180	Internship
Other courses as approved by advisors and program director	
Total Hours	**30**

* * For students pursuing the Geosystems Track, the Geography Department will accept GEOG 1210 and GEOG 1211 or EARTHSCI 1300 as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 and GEOG 3410.

** ** The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4105/5105 and BIOL 4180/5180.

*** *** The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as substitutes for courses that require EARTHSCI 1300.

**** **** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 for EARTHSCI 3325/5325.

The Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for RTNL 4776/5776.

^ ^ These courses have additional prerequisites as follows:
EARTHSCI 3322 has a prerequisite of EARTHSCI 1300.
EARTHSCI 3350/5350 has prerequisites of EARTHSCI 1300; junior standing.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
ECON 3225/5225 has prerequisites of ECON 1041, ECON 1051; junior standing.
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
GEOG 4310/5310 has prerequisites of GEOG 2410; junior standing.
GEOG 3410 has prerequisites of GEOG 2410 or consent of instructor; junior standing.
POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Resource Administration Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Primary Focus - Content Related Courses		**21**
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 4170/5170	Climate Action Planning	
GEOG 2240	Natural Hazards and Disasters	
PH 3720/5720	Environmental and Occupational Health Regulations	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 3337	Human Resource Development for Recreation, Tourism and Nonprofit Leadership	
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
RTNL/HIST 4556	History of Outdoor Recreation	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
Secondary Focus - Cognates		**9**
BIOL 4167/5167	Conservation Biology **	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 3410	Geographic Information Systems II	
GEOG 3380	Remote Sensing of the Environment	
ENGLISH 4775/5775	Applied Writing: Specialized Documents ^	

or ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	
PH 3710/5710	Environmental Health Science	
RTNL 2120	Foundations of Tourism	
RTNL 4552/5552	Theory and Practice of Outdoor Education	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4779/5779	Community Planning Workshop	
MGMT 3185	Project Management ^	
POL AMER 3172	Public Budgeting ^	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 3430	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**30**

* * The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4167/5167.

** ** The Geography Department and the Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for enrollment into RTNL 4310/5310.

^ ^ These courses have additional prerequisites as follows:
RTNL 4776/5776 has prerequisites of RTNL 2120 or consent of instructor; junior standing.
ENGLISH 4775/5775 has prerequisites of MGMT 2080 or ENGLISH 2770 or consent of instructor; junior standing.
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Environmental Compliance Track

A total of 32 hours need for this focus area, with 15 hours of required courses, a minimum of 10 hours from the Primary Focus group and 7 hours from the Secondary Focus group.

Required		
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
ECON 3225/5225	Environmental Economics	3
PH 3720/5720	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3
Primary Focus - Content Related Courses		**10**
EARTHSCI 1200	Elements of Weather	
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3230/523	Air Quality ^	
EARTHSCI 3345/5345	Environmental Geology *	
or		
GEOG 3220	Environmental Geography: Variable Topic	
EARTHSCI 3350/535	Environmental Hydrology *	
Secondary Focus - Cognates		**7**
EARTHSCI 3240/524	Air Quality Modeling ^	
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality ** ^	
EARTHSCI 3325/532	Sedimentary Geology ***	
EARTHSCI 3355/5355	Hydrogeology *	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 3380	Remote Sensing of the Environment	
PH 3710/5710	Environmental Health Science	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
MGMT 3153	Organizational Management *	
MGMT 3185	Project Management ^	
POL AMER 1048	Current and Emerging Issues in Public Administration	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 343	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**32**

* * The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as a substitute for courses that require EARTHSCI 1300.

** ** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 as a prerequisite for enrollment into EARTHSCI 3250/5250.

*** *** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 for EARTHSCI 3325/5325.

^ ^ These courses have additional prerequisites as follows:
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.

EARTHSCI 3240/5240 has prerequisites of EARTHSCI 1200; junior standing.
EARTHSCI 3250/5250 has prerequisites of EARTHSCI 1200; junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Minors

Biology Minor

Required:		
Introductory track:		8
BIOL 2051	General Biology: Organismal Diversity	
BIOL 2052	General Biology: Cell Structure and Function	
Chemistry and Biochemistry:		8
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II *	
Electives in Biology: **		10-12
Total Hours		**26-28**

* Students with excellent preparation in chemistry may substitute CHEM 1130 General Chemistry I-II plus 3 additional credit hours of biology electives for CHEM 1110 General Chemistry I and CHEM 1120 General Chemistry II.

** 3000/4000-level, excluding BIOL 3101 Anatomy and Physiology I, BIOL 3179 Cooperative Education, BIOL 3185 Readings in Biology, BIOL 3190 Undergraduate Research in Biology, and BIOL 4198 Independent Study

Biology Minor-Teaching

The Biology Minor-Teaching provides for second endorsement approval by the Iowa Board of Educational Examiners and requires first endorsement approval (major) in another science discipline or general science.

This minor leads to endorsement #151 5-12 Biological Science. Students must also complete all requirements for a Secondary Education major, including student teaching.

Required:		
Introductory track:		
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3100	Evolution, Ecology and the Nature of Science	3
BIOL 3140	Genetics	4
Chemistry and Biochemistry:		8
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II **	
Methods:		
Science and Science Education:		
SCI ED 3300/5300	Orientation to Science Teaching	4
SCI ED 4800/5800	Methods for Teaching Secondary Science or MTSS (Methods for Teaching Secondary Science)	3
Teaching:		
TEACHING 3129	Secondary and Special-Area Classroom Management	1
Total Hours		**31**

** Students with excellent preparation in chemistry may substitute *CHEM 1130 General Chemistry I-II* plus 3 additional credit hours of biology electives for CHEM 1110 General Chemistry I and CHEM 1120 General Chemistry II.

Master of Science Degree Program

Major in Biology

This major is available for students seeking an extensive research experience. Students interested in enrolling in the program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Biology for any other application requirements. Applications should include three recommendations and transcripts of undergraduate and graduate credits. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** option only. A **minimum of 30 semester hours** is required, including a minimum of 21 hours of normal course work and a maximum of 9 hours of thesis research. **A minimum of 18 hours of 6000-level course work is required.**

Students are required to pass an oral comprehensive examination in defense of their final thesis.

This program is flexible and designed to allow students, working with their advisory committee, to tailor a program to fit student interests and aspirations in biology.

Required:		
Biology:		9
BIOL 6202	Graduate Colloquium and Scientific Skills (2 hr. each semester for four semesters)	
BIOL 6292	Research Methods in Biology (1 hr.)	
Research:		9
BIOL 6299	Research	
Electives: *		12
Total Hours		**30**

* 100g/5000-level or above, excluding BIOL 6299 Research.

Department of Chemistry and Biochemistry

(College of Humanities, Arts and Sciences)

www.chem.uni.edu/

The Department of Chemistry and Biochemistry offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Chemistry and Biochemistry section in the following order:

Undergraduate Majors (B.S.)

- Biochemistry (p. 156)
- Chemistry (p. 157)

Undergraduate Majors (B.A.)

- Biochemistry (p. 158)
- Chemistry (p. 158)
- Chemistry-Teaching (p. 158)

Minors

- Chemistry (p. 159)
- Materials Science and Technology (p. 159) (also listed in Department of Physics and Department of Applied Engineering & Technical Management)

Major programs are offered by the Department of Chemistry and Biochemistry in two baccalaureate degree areas:

- the Bachelor of Science and
- the Bachelor of Arts

1. Students considering a baccalaureate chemistry major should complete two semesters of general chemistry, CHEM 1110 and CHEM 1120, in the freshman year. Well-prepared students may be permitted to take CHEM 1130, an accelerated course in general chemistry, during their first semester. It is strongly recommended that chemistry majors complete requirements in mathematics and physics within the first two years.

2. Prior to enrollment in a chemistry course, all pre-requisite courses must be completed with a grade of C- or higher.

3. A student enrolled in a chemistry course during fall or spring semester and who wishes to enroll in the same course in the subsequent spring or fall semester should contact the department. The student will be allowed to register only if space remains after all advance registrations are completed.

4. A student cannot declare a Chemistry minor if they are pursuing any B.A. or B.S. major in the Department of Chemistry and Biochemistry. Two majors cannot be earned within the department except for the combination of the B.A. Chemistry Teaching major and either the B.S. Chemistry or the B.S. Biochemistry major.

Bachelor of Science Degree Programs

Biochemistry Major

The B.S. Biochemistry major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Bachelor of Science Biochemistry major is accredited by the American Chemical Society. This major prepares students for careers and/or advanced study in biochemistry. It also provides partial preparation appropriate for medical school and other health-related programs.

Required		
Mathematics:		
MATH 1420	Calculus I *	4
MATH 1421	Calculus II	4
Biology:		
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3140	Genetics ***	4
Chemistry and Biochemistry:		
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II (*)	5-8
or CHEM 1130	General Chemistry I-II	
CHEM 2010	Chemical Safety Seminar	1
CHEM 2110	Descriptive Inorganic Chemistry	4
CHEM 2210	Organic Chemistry I	3
CHEM 2220	Organic Chemistry II	3
CHEM 2230	Organic Chemistry Laboratory	2
CHEM 2320	Chemical Analysis	3
CHEM 2330	Chemical Analysis Laboratory	2
CHEM 3600	Undergraduate Research in Chemistry @	2
CHEM 4220/5220	Organic Structure Analysis	3
or CHEM 4310/5310	Instrumental Analysis	
CHEM 4420/5420	Physical Chemistry I	3
CHEM 4430/5430	Physical Chemistry II	3
CHEM 4440/5440	Physical Chemistry Laboratory	2
CHEM 4510/5510	Biochemistry I	3
CHEM 4520/5520	Biochemistry II	3
CHEM 4530/5530	Biochemistry Laboratory	2

Physics:		
Select one of the following:		8
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	
OR		
PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering	
Electives		3-4
One 3000-level or higher content course in biology, biochemistry, or chemistry (with the exception of CHEM 4630/5630 which will not count as an elective option)		
Total hours		71-74

* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

*** BIOL 3140 has a prerequisite of BIOL 2051. BIOL 2051 is waived as a prerequisite for Biochemistry majors.

@ This course meets the Bachelor of Science degree undergraduate research course requirement.

Notes:

1. The elective course should be chosen with the help of the major advisor. This is particularly important for students wishing to earn a certified degree, to assure consistency with the certification guidelines of the American Chemical Society. An appropriate advanced course in another science may be substituted with department head approval.
2. To satisfy American Chemical Society guidelines for certification of the Biochemistry major, the two hours of CHEM 3600 Undergraduate Research required for this program must include completion of a final written report.

Chemistry Major

The B.S. Chemistry major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Bachelor of Science Chemistry major is accredited by the American Chemical Society. This program is recommended for students who wish to prepare for careers as professional chemists. It also provides the most complete preparation for post-graduate study in the field of chemistry.

Required

Mathematics:		
MATH 1420	Calculus I *	4
MATH 1421	Calculus II	4
Chemistry and Biochemistry:		
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II (*)	5-8
or CHEM 1130	General Chemistry I-II	
CHEM 2010	Chemical Safety Seminar	1
CHEM 2110	Descriptive Inorganic Chemistry	4
CHEM 2210	Organic Chemistry I	3
CHEM 2220	Organic Chemistry II	3
CHEM 2230	Organic Chemistry Laboratory	2
CHEM 2320	Chemical Analysis	3
CHEM 2330	Chemical Analysis Laboratory	2
CHEM 3600	Undergraduate Research in Chemistry @	2
CHEM 4110/5110	Inorganic Chemistry	3
CHEM 4310/5310	Instrumental Analysis	3
CHEM 4420/5420	Physical Chemistry I	3
CHEM 4430/5430	Physical Chemistry II	3
CHEM 4440/5440	Physical Chemistry Laboratory	2
CHEM 4510/5510	Biochemistry I	3
CHEM 4610/5610	Advanced Synthesis Laboratory	2
Physics:		8
PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering	
or		
PHYSICS 1512 & PHYSICS 1511	General Physics II and General Physics I	
Elective		**3**
A 4000-level chemistry content course.		
Total Hours		**63-66**

* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

@ This course meets the Bachelor of Science degree undergraduate research course requirement.

Notes:

1. To satisfy American Chemical Society guidelines for certification of the Chemistry major, the two hours of CHEM 3600 Undergraduate Research required for this program must include completion of a final written report.
2. The elective course should be chosen with the help of the major advisor. This is particularly important for students wishing to earn a certified degree, to assure consistency with the certification guidelines of the American Chemical Society. An appropriate advanced course in another science may be substituted with department head approval.
3. Students wishing to earn a non-certified Bachelor of Science degree may omit CHEM 4110/5110 , CHEM 4610/5610 , and CHEM 4510/5510, but must include six additional elective hours in chemistry at the 4000-level or higher.

Emphasis-Honors Research

This emphasis is available to qualified students pursuing the Bachelor of Science program by invitation at the beginning of their junior year. Completion of Honors Research requires 5 credit hours in CHEM 3600 Undergraduate Research and the writing of a senior research thesis. The research credit may be applied to the elective hours of the B.S. degree.

Bachelor of Arts Degree Programs

Biochemistry Major

The B.A. Biochemistry major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This program provides experience in most basic areas of chemistry, with a focus on biochemistry. With appropriate choice of university electives, the B.A. Biochemistry major meets the needs of pre-medical students and students preparing for additional study in related areas such as pharmacology, medicinal chemistry, clinical chemistry, and toxicology. It is also suitable for students who wish to combine a chemistry major with a major in another discipline.

Required		
Mathematics:		
MATH 1420	Calculus I *	4
Biology:		
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3140	Genetics **	4
Chemistry and Biochemistry:		
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II (*)	5-8
or CHEM 1130	General Chemistry I-II	
CHEM 2010	Chemical Safety Seminar	1
CHEM 2110	Descriptive Inorganic Chemistry	4-5
or CHEM 2320 & CHEM 2330	Chemical Analysis and Chemical Analysis Laboratory	
CHEM 2210	Organic Chemistry I	3
CHEM 2220	Organic Chemistry II	3
CHEM 2230	Organic Chemistry Laboratory	2
CHEM 4420/5420	Physical Chemistry I	3
CHEM 4510/5510	Biochemistry I	3
CHEM 4520/5520	Biochemistry II	3
CHEM 4530/5530	Biochemistry Laboratory	2
Physics:		
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	8
or PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering	
Electives		3-4
One 3000-level or higher content course in biology, biochemistry, or chemistry		
Total Hours		**52-57**

* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

** BIOL 3140 has a prerequisite of BIOL 2051. BIOL 2051 is waived as a prerequisite for Biochemistry majors.

Chemistry Major

The B.A. Chemistry major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This program provides experience in all basic areas of chemistry. With appropriate choice of university electives, the B.A. Chemistry major meets the needs of pre-medical students and students preparing for additional study in related areas such as biochemistry, industrial hygiene, pharmacology and medicinal chemistry, clinical chemistry, and toxicology. It is also suitable for students who wish to combine a chemistry major with a major in another discipline.

Required		
Mathematics:		
MATH 1420	Calculus I *	4
MATH 1421	Calculus II	4
Chemistry and Biochemistry:		
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II (*)	5-8
or CHEM 1130	General Chemistry I-II	
CHEM 2010	Chemical Safety Seminar	1
CHEM 2110	Descriptive Inorganic Chemistry	4
CHEM 2210	Organic Chemistry I	3
CHEM 2220	Organic Chemistry II	3
CHEM 2230	Organic Chemistry Laboratory	2
CHEM 2320	Chemical Analysis	3
CHEM 2330	Chemical Analysis Laboratory	2
CHEM 4310/5310	Instrumental Analysis	3
CHEM 4420/5420	Physical Chemistry I	3
CHEM 4430/5430	Physical Chemistry II	3
Physics:		
Select one of the following:		8
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	
or		
PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering	
Total Hours		**48-51**

* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

Chemistry Major-Teaching

The B.A. Chemistry-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This program provides preparation for chemistry teachers with successful completion leading to recommendation for State of Iowa licensure in endorsement #152 5-12 Chemistry. Coursework that leads

to additional endorsements is recommended and should be selected in consultation with your advisor.

Required

Mathematics:		
MATH 1420	Calculus I *	4
Chemistry and Biochemistry:		
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II (*)	8
CHEM 2010	Chemical Safety Seminar	1
CHEM 2040	Applied Organic and Biochemistry	4
CHEM 2110	Descriptive Inorganic Chemistry	4
CHEM 2320	Chemical Analysis	3
CHEM 2330	Chemical Analysis Laboratory	2
CHEM 4420/5420	Physical Chemistry I	3
Physics:		8
Select one of the following:		
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	
or		
PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering	
Science and Science Education:		
SCI ED 3300/5300	Orientation to Science Teaching	4
SCI ED 4800/5800	Methods for Teaching Secondary Science or MTSS	3
Teaching:		
TEACHING 3129	Secondary and Special-Area Classroom Management	1
Total Hours		**45**

* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

Notes:

1. Well-prepared students may substitute *CHEM 1130* for CHEM 1110 and CHEM 1120 ; these students must also substitute CHEM 2210 and CHEM 2230 and CHEM 2220 for CHEM 2040.

Minors

Chemistry Minor

A student cannot declare a Chemistry minor if they are pursuing any B.A. or B.S. major in the Department of Chemistry and Biochemistry.

Required

Chemistry and Biochemistry:		
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II (*)	5-8
or CHEM 1130	General Chemistry I-II	
Electives		14
Total Hours		**19-22**

* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.
Note: Courses numbered 2000 and above may be used as electives for the Chemistry Minor, with the following exceptions: CHEM 2010, CHEM 4630/5630, and any Cooperative Education, Independent Study, Readings, Research, and Seminar courses.

Following are some suggested elective courses to complete the Chemistry Minor:

CHEM 2040	Applied Organic and Biochemistry
CHEM 2110	Descriptive Inorganic Chemistry
CHEM 2210	Organic Chemistry I
CHEM 2220	Organic Chemistry II **
CHEM 2230	Organic Chemistry Laboratory
CHEM 2320	Chemical Analysis
CHEM 2330	Chemical Analysis Laboratory **
CHEM 4200/5200	Nanoscience **
CHEM 4210/5210	Nanotechnology **
CHEM 4310/5310	Instrumental Analysis **
CHEM 4420/5420	Physical Chemistry I **
CHEM 4430/5430	Physical Chemistry II **
CHEM 4510/5510	Biochemistry I **
CHEM 4520/5520	Biochemistry II **
CHEM 4505/5505	Drugs, Poisons, and Venoms **

** These courses have additional prerequisites.

Materials Science and Technology Minor

This is an interdisciplinary minor that is jointly offered by the Departments of Chemistry and Biochemistry, Physics, and Applied Engineering & Technical Management.

Materials science and the use of materials in technology requires the use of concepts from multiple disciplines. This interdisciplinary minor gives students the broad foundation they need to learn about the science of materials and an introduction to how these scientific principles are used in the development and application of materials in new technology. This minor is complementary preparation to a major in Chemistry and Biochemistry, Physics or Manufacturing Engineering Technology for students who are interested in working in industry or going on to advanced study in materials science.

Required:

Choose one of the following three options: +		**5-8**
Option 1 Chemistry (8 hours)		
CHEM 1110	General Chemistry I	
CHEM 1120	General Chemistry II	
OR		

Option 2 Chemistry (5 hours)		
CHEM 1130	General Chemistry I-II	
OR		
Option 3 Chemistry/Technology (7 hours)		
CHEM 1020	Chemical Technology &	
TECH 3127	Transport Phenomena for Technologists &	
Additional requirements (all three options)		
Choose one of the following sets of Physics courses:		8
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	
OR		
PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering	
Additional required (all three options)		
CHEM 4200/5200 or PHYSICS 4200/5200	Nanoscience * Nanoscience	3
TECH 2072	Engineering Materials	3
Electives (all three options) - choose one of the following:		**3-4**
Note: in order to earn the Materials Science and Technology minor, the elective course students take for the minor cannot be a required course for their primary major.		
CHEM 2110	Descriptive Inorganic Chemistry *	
CHEM 2320	Chemical Analysis #	
CHEM 4210/5210 or PHYSICS 4210/5210	Nanotechnology * Nanotechnology	
PHYSICS 4750/5750	Physics of Modern Materials #	
TECH 3132/5132	Metallurgy and Phase Transformation	
Total Hours		**22-26**

+ **There are additional prerequisite courses that must be taken along with the required courses in some options – choose the option that aligns with the courses for your major.**
Prerequisites for TECH 3127: TECH 1024; MATH 1150 or MATH 1420.
Prerequisite or corequisites for PHYSICS 1701: MATH 1420.
Prerequisite or corequisites for PHYSICS 1702: MATH 1421.

* Students who have declared a Materials Science and Technology Minor may take these courses after completing CHEM 1020 Chemical Technology and TECH 3127 Transport Phenomena for Technologists in place of the usual CHEM 1120 General Chemistry II prerequisite.

& These courses are taken by students in the Manufacturing Engineering Technology major.

\# Prerequisite for CHEM 2320: CHEM 1120 or CHEM 1130.
Prerequisite for PHYSICS 4750/5750: PHYSICS 4100/5100 and PHYSICS 4110/5110.

Department of Communication and Media

(College of Humanities, Arts and Sciences)

cm.uni.edu

The Department of Communication and Media offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Communication and Media section in the following order:

Undergraduate Majors (B.A.)

- Communication (Liberal Arts) (p. 161)
- Communication-Theatre-Teaching (p. 161) (also listed in Department of Theatre)
- Communication/Digital Media (p. 162)
- Communication/Public Relations (p. 164)
- Interactive Digital Studies (p. 165)
- Political Communication (p. 166) (also listed in Department of Political Science)

Minors

- Business Communication (p. 167) (also listed in Department of Marketing and Entrepreneurship)
- Communication (p. 168)
- Communication-Theatre-Teaching (p. 168) (also listed in Department of Theatre)
- Communication/Digital Journalism (Liberal Arts) (p. 168)
- Communication/Digital Media Leadership (p. 168)
- Digital Media Production (p. 169)
- Communication/Public Relations (p. 169)
- Interactive Digital Studies (p. 169)

Graduate Major (M.A.)

- Communication and Media (p. 171)

Program Certificates

- Communication Education and Training (graduate certificate) (p. 172)
- Communication, Community, and Public Advocacy (p. 172)
- Conflict Resolution (p. 172)
- Organizational Communication and Inclusive Leadership (p. 173)
- Organizational Communication and Training (p. 173)
- Performance, Rhetoric, and Advocacy (graduate certificate) (p. 174)

- Public Relations in Entertainment (p. 174)
- Strategic Communication (graduate certificate) (p. 174)
- Visual Communication and Digital Media (graduate certificate) (p. 174)

Note: Students majoring in Public Relations must achieve a minimum grade of C (2.00) in all courses to be applied toward departmental majors or minors. To graduate with a major in Communication (Liberal Arts), Digital Media, Interactive Digital Studies, or Public Relations, a student must earn a cumulative GPA of 2.50.

Advisory Statement: Requirements of a Communication and Media major or minor may also be used to meet the requirements of another major or minor; but electives may not be counted toward both the major and minor.

Bachelor of Arts Degree Programs

Communication Major (Liberal Arts)

The Communication (Liberal Arts) major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Students may choose to take a certificate to facilitate their path through the major.

Required		
COMM 2256	Performing Texts	3
or COMM 2255	Public Speaking	
or COMM 2257	Argumentation and Debate	
or COMM 3455	Storytelling and Identity	
COMM 2344	Interpersonal Communication	3
or COMM 2205	Group Communication	
COMM 2555	Interactive Digital Communication I	3
COMM 4155/5155	Organizational Communication Assessment *	3
or COMM 4021/5021	Quantitative Research Methods	
or COMM 4022	Qualitative Research Methods	
or COMM 4023/5023	Rhetorical Research Methods	
COMM 4444/5444	Communication, Community, and Change	3
or COMM 4211/5211	Rhetoric and Civic Culture	
or COMM 4320	Leadership Communication and Citizenship	
COMM COR 1010	Mass Communication and Society	3
COMM COR 2020	Communication Research Methods	3
COMM COR 4124	Communication and Media Theories	3
Select three from the following Theories and Concepts courses:		9
COMM 3000/5000	Selected Topics in Communication	
COMM 3236/ CAP 3128	Ethics in Communication	
COMM 3055	Organizational Communication	
COMM 3455	Storytelling and Identity	
COMM 3456	Practicing Public Advocacy	
COMM 4116/5116	Health Communication	
COMM 4134/5134	Organizational Cultures and Communication	
COMM 4120/5120	Inclusive Leadership in the Workplace	
COMM 4211/5211	Rhetoric and Civic Culture	
COMM 4213/5213	Visual Rhetoric	
COMM 4216/5216	Political Communication	
COMM 4217/5217	Freedom of Speech	
COMM 4218	Persuasion	
COMM 4311	Nonverbal Communication	
COMM 4322/5322	Advanced Interpersonal Communication *	
COMM 4320	Leadership Communication and Citizenship	
COMM 4333/5333	Communication and Conflict Management	
COMM 4344/5344	Intercultural Communication	
COMM 4346/5346	Gender Issues in Communication	
COMM 4347/5347	Family Communication *	
COMM 4412/5412	Performing History	
COMM 4444/5444	Communication, Community, and Change	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
COMM 4448/5448	Cultural Performance	
COMM 4544/5544	Digital Culture and Communication	
COMM 4909/5909	Readings in Performance Studies *	
Electives: any Communication and Media Department course prefix (COMM xxxx, COMM COR xxxx, COMM DM xxxx, COMM PR xxxx)		9
Total Hours		**42**

* These courses have additional prerequisites as follows:
COMM 4155/5155 has prerequisites of COMM 3055; junior standing.
COMM 4322/5322 has prerequisites of COMM 2344; junior standing.
COMM 4909/5909 has prerequisites of COMM 2256; COMM 4448/5448; junior standing.
COMM 4347/5347 and COMM 4322/5322 have prerequisite of COMM 2344.

Communication-Theatre-Teaching Major

The Communication-Theatre-Teaching major requires a minimum of 121 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 121 hours.

The teaching major in communication and theatre is offered jointly by the Departments of Communication and Media and Theatre.

This major leads to endorsement #168 5-12 Speech Communications/ Theatre.

Required		
Communication:		
COMM 2256	Performing Texts	3
COMM 2257	Argumentation and Debate	3
COMM 2344	Interpersonal Communication	3
COMM 2555	Interactive Digital Communication I	3
COMM 4346/5346	Gender Issues in Communication	3
COMM 4559	Communication Education and Training	3
COMM DM 1611	Media and Power	3
Theatre:		
COMM 2455	Skills for Making Performance ^	3
OR		
THEATRE 1010	Foundations of Theatre (THEATRE 1010 is a co-requisite with THEATRE 1011)	
THEATRE 1012	Stagecraft: Scenery/Lights *	3
THEATRE 1030	Acting *	3
THEATRE 2020	Playscript Analysis and Interpretation	3
THEATRE 3070	History of the Theatre II	3
THEATRE 3115	Methods of Teaching Drama and Theatre	3
THEATRE 3160	Directing	3
Applied Activity Option: **		
Select 3 of the following 1 credit hour courses:		3
COMM 1940 & COMM 3940	Applied Forensics and Advanced Applied Forensics (each course is 1 hr.) **	
COMM 1941 & COMM 3941	Applied Performance Studies and Advanced Applied Performance Studies (each course is 1-2 hrs.) **	
THEATRE 1011	Foundations of Theatre Lab (1 hr.) This course is a co-requisite for THEATRE 1010	
THEATRE 2050	Theatre Practicum (1 hr.) **	
Electives		
Select one of the following:		3
COMM 2255	Public Speaking (3 hrs.)	
COMM 2456	Communication and Popular Culture (3 hrs.)	
COMM 4218	Persuasion (3 hrs.)	
COMM 4322/5322	Advanced Interpersonal Communication (3 hrs.)	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
COMM 4448/5448	Cultural Performance (3 hrs.)	
COMM COR 1010	Mass Communication and Society (3 hrs.)	
COMM DM 1651	Digital Media Production I	
COMM PR 1811	Principles of Public Relations (3 hrs.)	
THEATRE 1020	Introduction to Reading Playscripts (3 hrs.)	
THEATRE 1050	Creative Drama	
THEATRE 3050	Theatre Production (1-4 hrs.)	
THEATRE 3080/508(	Advanced Theatre Studies (3 hrs.)	
Total Hours		**48**

Other courses are available consult with your advisor.

* These three courses may be taken in any sequence; all prerequisites for THEATRE 3160.

** Students may take any combination of the three Applied Activity courses. Any of the courses can be repeated up to three times. Activities for Communication-Theatre majors include UNI Theatre, UNI Interpreters Theatre, Sturgis Youth Theatre, SAVE (Students Advocating for Voices and Equality) Forum Actors, and UNI Forensics.

Communication/Digital Media Major

The Communication/Digital Media major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

There are three major emphases in Communication/Digital Media: Digital Journalism, Digital Media Leadership, and Digital Media Production.

Required		
Communication:		
COMM COR 1010	Mass Communication and Society	3
COMM COR 2020	Communication Research Methods **	3
COMM COR 4124	Communication and Media Theories **	3
Digital Media:		
COMM DM 1650	Digital Media Seminar	1
COMM DM 1651	Digital Media Production I	3
COMM DM 1652	Writing for Digital Media	3
COMM DM 3179	Cooperative Education	3
or COMM DM 3900	Internship in Digital Media	
COMM DM 4621/5621	Digital Media Analysis	3
COMM DM 4632	Senior Seminar in Digital Media	3

Select one of the following three emphases:		24
Total Hours		**49**

Emphasis 1: Digital Journalism

Required		
Communication:		
COMM 2555	Interactive Digital Communication I	3
Digital Media:		
COMM DM 1620	Fundamentals of Journalism	3
COMM DM 2653	News Writing and Reporting *	3
COMM DM 3659	Editing and Design	3
COMM DM 4630/5630	Digital Media Law and Ethics	3
COMM DM 4650	Advanced News Writing and Reporting	3
Electives (Select 6 hours from the following):		**6**
Digital Media:		
COMM DM 2651	Digital Media Production II	
COMM DM 3651	Advanced Digital Media Production: Television News *	
COMM DM 3652	Advanced Digital Media Production: Documentary *	
COMM DM 3658	Digital Journalism: (Topic)	
COMM DM 3660	Sports Journalism	
COMM DM 4611/5611	History of U.S. Media	
COMM DM 4644/564	Global Media	
COMM DM 4651	Digital Media Practicum: (Topic) *	
COMM DM 4655	Photojournalism	
COMM DM 4656/5656	Feature Writing	
Communication:		
COMM 4556/5556	Interactive Digital Visualization *	

Emphasis 2: Digital Media Leadership

Required		
Digital Media:		
COMM DM 3656	Digital Media Industries	3
COMM DM 3657	Promotion of Digital Media	3
COMM DM 4630/5630	Digital Media Law and Ethics	3
COMM DM 4653/5653	Digital Media Distribution	3
COMM DM 4654/5654	Digital Media Management	3
Economics (3 hours chosen from the following):		3
ECON 1031	Introduction to Business Economics *	
ECON 1041	Principles of Macroeconomics	
Marketing:		
MKTG 2110	Principles of Marketing	3
and one of the following courses:		3
MGMT 3153	Organizational Management	
MKTG 3113/5113	Consumer Behavior	
MKTG 3143	Advertising and Promotion	
MKTG 3146	Digital Advertising	
ENTR 3583/5583	Entrepreneurship	

Emphasis 3: Digital Media Production

Required		
Digital Media:		
COMM DM 2651	Digital Media Production II	3
COMM DM 4630/5630	Digital Media Law and Ethics	3
Select 6 hours from the following:		6
COMM DM 3651	Advanced Digital Media Production: Television News	
COMM DM 3652	Advanced Digital Media Production: Documentary	
COMM DM 3653	Advanced Digital Media Production: Fiction	
COMM DM 3654	Advanced Digital Media Production: Video Editing	
COMM DM 3655	Advanced Digital Media Production: Audio	
Electives (Chosen from the following)		**12**
Art (up to 6 hours can be counted as electives):		
ART 2030	Graphic Design I	
ART 2070	Creative Photography I: Digital Photography	
ART 3035	Graphic Design: Motion Graphics *	
Communication (up to 6 hours can be counted as electives):		
COMM 2555	Interactive Digital Communication I	
Computer Science (up to 6 hours can be counted as electives):		
CS 1000	Computing Skills and Concepts	
CS 1120	Media Computation	
CS 3120/5120	User Interface Design	
CS 2880	Topics in Computing	
Digital Media:		
COMM DM 1620	Fundamentals of Journalism	
COMM DM 2652	Emerging Digital Media: (Topic)	
COMM DM 2653	News Writing and Reporting *	
COMM DM 2654	Scriptwriting for Digital Media	
COMM DM 2950	Applied Digital Media	
COMM DM 3651	Advanced Digital Media Production: Television News	
COMM DM 3652	Advanced Digital Media Production: Documentary	
COMM DM 3653	Advanced Digital Media Production: Fiction	
COMM DM 3654	Advanced Digital Media Production: Video Editing	
COMM DM 3655	Advanced Digital Media Production: Audio	
COMM DM 3656	Digital Media Industries	

COMM DM 3657	Promotion of Digital Media
COMM DM 3659	Editing and Design *
COMM DM 3950	Advanced Applied Digital Media
COMM DM 4641/564	Critical Studies in Digital Media: (Topic) *
COMM DM 4642/5642	Digital Technologies (Topic)
COMM DM 4651	Digital Media Practicum: (Topic) *
COMM DM 4652	Digital Media Projects *
COMM DM 4653/565	Digital Media Distribution
COMM DM 4654/5654	Digital Media Management
COMM DM 4655	Photojournalism *
English (up to 6 hours can be counted as electives):	
ENGLISH 2650	Introduction to Film *
ENGLISH 4660/5660	Film History *
Marketing (up to 6 hours can be counted as electives):	
MKTG 2110	Principles of Marketing
MKTG 3143	Advertising and Promotion
MKTG 3146	Digital Advertising

* These courses have additional prerequisites as follows:
ART 3035 has a prerequisite of ART 3030.
COMM 4556/5556 has a prerequisite of COMM 2555.
COMM DM 2653 has a prerequisite of COMM DM 1620.
COMM DM 3659 and COMM DM 4655 have a prerequisite of COMM DM 2653.
COMM DM 4651 and COMM DM 4652 have the prerequisite of any of the following: COMM DM 3651, COMM DM 3652, COMM DM 3653, COMM DM 3654, or COMM DM 3655.
ECON 1031 may be used to satisfy the Quantitative Reasoning requirement in the UNIFI/General Education program.
ENGLISH 2650 has prerequisite of ENGLISH 1005.
ENGLISH 1005 may be used to satisfy the Written Communication requirement of the UNIFI/General Education program.
ENGLISH 4660/5660 has prerequisite of ENGLISH 2120 or ENGLISH 2650. ENGLISH 2120 may be used to satisfy the Written Communication requirement of the UNIFI/General Education program.

** These courses have the following prerequisites:
COMM 1000 (48C:001) and ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015) or ENGLISH 2120 (620:034) or the Cornerstone equivalent for both courses (UNIV 1000 and UNIV 1010). These courses can be used to satisfy the Written and Oral Communication requirements of the UNIFI/General Education program.

Communication/Public Relations Major

The Communication/Public Relations major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required		
COMM COR 1010	Mass Communication and Society	3
COMM COR 2020	Communication Research Methods	3
COMM COR 4124	Communication and Media Theories	3
Public Relations:		
COMM PR 1811	Principles of Public Relations	3
COMM PR 3855	Public Relations Writing	3
COMM PR 4811/5811	Public Relations: Cases and Studies	3
COMM PR 4855/5855	Public Relations Campaign Methods	3
COMM PR 4857/5857	Crisis Communication	3
COMM PR 3179	Cooperative Education	3
or COMM PR 3900/5900	Internship in Public Relations	
Communication:		
COMM 3155	Business and Professional Oral Communication	3
Digital Media:		
COMM DM 1620	Fundamentals of Journalism	3
COMM DM 2653	News Writing and Reporting	3
COMM DM 3659	Editing and Design	3
or COMM DM 1651	Digital Media Production I	
Business Courses:		
ACCT 2120	Principles of Financial Accounting	3
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
MKTG 2110	Principles of Marketing	3
Select one of the following three emphases		**12**
Emphasis 1: Strategic Public Relations		
Communication:		
COMM 3055	Organizational Communication	
Public Relations:		
COMM PR 4822/5822	Global Public Relations	
or COMM PR 4858/5858	Sports Public Relations	
Management:		
MGMT 3153	Organizational Management	
Marketing:		
MKTG 3113/5113	Consumer Behavior	
Emphasis 2: Special Events		
Public Relations:		
COMM PR 4856/5856	Public Relations Special Events Planning	
COMM PR 4858/5858	Sports Public Relations	
Marketing:		
MKTG 3146	Digital Advertising	
MKTG 3153	Professional Selling	
Emphasis 3: Sports Public Relations		
Public Relations:		

COMM PR 4858/5858	Sports Public Relations	
COMM PR 4859/585	Social Media	
Marketing		
MKTG 3156	Services Marketing	
or MKTG 3173	Product Management	
Choose one of the Following:		
KINES 3125	Introduction to Sport Administration	
or MKTG 3143	Advertising and Promotion	
Total Hours		**60**

Interactive Digital Studies Major

The Interactive Digital Studies (IDS) major is interdisciplinary in nature and is under the jurisdiction of the Department of Communication and Media. The Interactive Digital Studies major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Communication and Media:		
COMM 2555	Interactive Digital Communication I	3
COMM 4544/5544	Digital Culture and Communication	3
COMM COR 1010	Mass Communication and Society	3
University, Interdisciplinary:		
COMM 3555	Interactive Digital Communication II	3
COMM 3900/5900	Internship in Communication	3
Electives - select two bundles (emphases) from the following:		**30-32**
Total Hours		**45-47**

EMPHASES

1. Digital Visualization (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
COMM 4558/5558	Advanced Digital Visualization: (Topic)	3
COMM DM 1611	Media and Power	3
or COMM 4213/5213	Visual Rhetoric	
COMM DM 3659	Editing and Design	3
COMM DM 4655	Photojournalism	3
Total Hours		**15**

2. Digital Computation (17 hours)

Computer Science:		
CS 1510	Introduction to Computing	4
CS 1520	Data Structures	4
CS 2530	Intermediate Computing *	3
CS 3110	Web Application Development	3
CS 3120/5120	User Interface Design	3
Total Hours		**17**

* CS 2530 has the following prerequisites: CS 1510; CS 1520; CS 1800; or department approval. The prerequisite CS 1800 not included in requirements for this bundle is waived for Interactive Digital Studies majors and minors.

3. Digital Writing (15 hours)

English:		
ENGLISH 2770	Introduction to Workplace Writing	3
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	3
or ENGLISH 4770/5770	Applied Writing: Proposals and Grants	
ENGLISH 4025/5025	Theory and Practice of Writing	3
or ENGLISH 4040/50	Digital Writing: Theory and Practice	
Select 2 from the following courses (6 units total)		6
ENGLISH 4672/5672	Electronic Literature *	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
Total Hours		**15**

* Prerequisite(s): COMM 2555 or ENGLISH 2120 or consent of instructor; junior standing.

4. Digital Music (15 hours)

Music Theory (required):		
MUS THEO 1300	Topics in Music Composition (Electronic composition section)	2
MUS THEO 3220/5220	Music and Technology	4
MUS THEO 3230/5230	Music Technology, Advanced	4
Music Theory (select two of the following):		4
MUS THEO 1100	Introduction to Music Theory	
MUS THEO 1110	Theory I	
MUS THEO 1120	Theory II	
Theory class placement is determined by a diagnostic examination.		
Music elective		1
Total hours		15
Additionally, it is recommended that students taking this bundle elect to take MUSIC 1100 as part of their UNIFI/General Education courses.		

5. Digital Imaging (15 hours)

Graphic Technologies:		
TECH 1055	Graphic Communications Foundations	3
TECH 2070	Digital Pre-Media	3
TECH 3169	Digital Imaging	3

TECH 4158/5158	Graphic Communication Data Visualization	3
TECH 4161	Digital Graphic Communications	3
Total Hours		**15**

6. Digital Advertising (15 hours)

Economics:		
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
Marketing:		
MKTG 2110	Principles of Marketing	3
MKTG 3143	Advertising and Promotion	3
MKTG 3146	Digital Advertising	3
MKTG 3148	Digital Customer Experience *	3
or ENTR 3583/5583	Entrepreneurship	
or MKTG 4150	Advertising Campaign Development	
Total Hours		**15**

* ENTR 3583/5583 has a prerequisite of ENTR 2010 or (ACCT 2120; ACCT 2130; prerequisite or corequisite FIN 3130/5130; STAT 1772 or equivalent; ECON 1011; MKTG 2110; ECON 1031 or (ECON 1041 and ECON 1051)); junior standing.

7. Digital History (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
COMM 4412/5412	Performing History	3
History:		
HIST 1010	Introduction to Historical Skills	3
HIST 4010/5010	Introduction to Public History	3
HIST 4020/5020	Introduction to Museum Studies	3
Total Hours		**15**

8. Web Development (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
Computer Science:		
CS 1100	Web Development: Client-Side Coding	3
CS 2100	Web Development: Server-side Coding	3
CS 3120/5120	User Interface Design	3
Marketing:		
MKTG 3148	Digital Customer Experience *	3
Total Hours		**15**

* MKTG 3148 has a prerequisite of MKTG 2110 or consent of instructor. This prerequisite is waived for all Interactive Digital Studies majors and minors.

9. Digital Video (15 hours)

Communication and Media:		
COMM DM 1651	Digital Media Production I	3
COMM DM 1652	Writing for Digital Media	3
COMM DM 2651	Digital Media Production II	3
COMM DM 3658	Digital Journalism: (Topic)	3
COMM DM 4630/5630	Digital Media Law and Ethics	3
or COMM DM 4644/	Global Media	
Total Hours		**15**

10. Digital Mapping (15 hours)

Geography:		
GEOG 1310	Digital Earth	3
GEOG 2320	Drones for Mapping and Communication	3
GEOG 2410	Geographic Information Systems I	3
GEOG 2420	Cartographic Design	3
GEOG 4335/5335	Web Mapping and GIS	3
Total Hours		**15**

Political Communication Major

The Political Communication major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required core		
Communication and Media:		
COMM 4211/5211	Rhetoric and Civic Culture	3
COMM 4216/5216	Political Communication	3
or POL AMER 4160/	Political Communication	
COMM 4444/5444	Communication, Community, and Change	3
COMM COR 1010	Mass Communication and Society	3
Political Science:		
POL AMER 1014	Power & Politics in the U.S. *	3
POL AMER 3112	Campaigns and Elections	3
POL AMER 3150	Public Opinion and Voting Behavior	3
Methodology:		
Select one of the following from Communication and Media/Political Science:		3
COMM COR 2020	Communication Research Methods *	
COMM 4023/5023	Rhetorical Research Methods *	
POL GEN 2010	Analyzing Politics	

Internship in Communication and Media/Political Science:		**3**
COMM 3900/5900	Internship in Communication	
POL GEN 3181	Internship in Politics *	
Electives (choose two courses from Communication and Media and two courses from Political Science from the following list):		**12**
Communication and Media:		
COMM 2257	Argumentation and Debate *	
COMM 3055	Organizational Communication *	
COMM 4217/5217	Freedom of Speech	
COMM 4218	Persuasion	
COMM 4333/5333	Communication and Conflict Management *	
COMM 4344/5344	Intercultural Communication	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
COMM 4544/5544	Digital Culture and Communication	
COMM DM 1611	Media and Power	
COMM DM 4630/563	Digital Media Law and Ethics	
COMM DM 4644/5644	Global Media	
COMM PR 1811	Principles of Public Relations *	
Political Science:		
POL AMER 2131	American State Politics	
POL AMER 3132	Community Politics	
POL AMER 3134	Congress: The First Branch *	
POL AMER 3144	Civil Rights and Liberties	
POL AMER 3151	Modern Presidency *	
POL AMER 3166	Political Parties and Interest Groups *	
POL AMER 4143/514	Citizen Participation and Civic Engagement	
POL AMER 4177/5177	Political Psychology	
POL INTL 3126	Human Rights	
POL INTL 3143	International Law	
Total Hours		**39**

* *Choice of courses and subsequent prerequisites may increase the length of this program. These courses have additional prerequisites as follows:
POL AMER 1014 satisfies the Human Condition: Domestic UNIFI requirement.
COMM COR 2020, COMM 2257, and COMM 3055 have prerequisite of COMM 1000. COMM 1000 satisfies the Oral Communication UNIFI requirement.
POL GEN 3181 has prerequisites of POL GEN 2010; 15 hours of Political Science, Political Communication, or Public Administration major.
COMM 4023/5023 has prerequisite of COMM COR 2020 but will be waived for Political Communication majors.
COMM 4333/5333 has a prerequisite of COMM 2344.
COMM DM 4612/5612 has prerequisite of COMM COR 2020 or consent of instructor.
COMM DM 4644/5644 has prerequisite of COMM COR 1010.
COMM PR 1811 has prerequisites of COMM 1000 and ENGLISH 1005. COMM 1000 satisfies the Oral Communication UNIFI requirement.
POL AMER 3134, POL AMER 3151, and POL AMER 3166 have prerequisite of POL AMER 1014.
POL AMER 1014 satisfies the Human Condition: Domestic UNIFI requirement.

Minors

Business Communication Minor

The Business Communication minor is interdisciplinary in nature and offered jointly by the College of Humanities, Arts and Sciences and the College of Business. It is under the jurisdiction of the Department of Marketing and the Department of Communication and Media. The minor requires a 12-hour core plus 9 hours from one of three emphases.

Required		
Communication:		
COMM 3155	Business and Professional Oral Communication	3
Communication or English:		3
COMM 2555	Interactive Digital Communication I	
or ENGLISH 2770	Introduction to Workplace Writing	
Communication or Management:		3
COMM 3055	Organizational Communication	
or MGMT 3153	Organizational Management	
Marketing:		
MKTG 2110	Principles of Marketing	3
Required: 3 hours from each of three emphases below:		9
Total Hours		**21**

EMPHASES

1. Applied Writing Skills

Select one course from the following:		3
ENGLISH:		
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4770/5770	Applied Writing: Proposals and Grants	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	

2. Communication Skills

Select one course from the following:		3
Communication and Media:		
COMM 4333/5333	Communication and Conflict Management	
COMM PR 1811	Principles of Public Relations	

3. Business and Professional Communication Contexts and Applications

Select one of the following:		3
Communication and Media:		
COMM 4134/5134	Organizational Cultures and Communication	
COMM PR 3844/584	Public Relations: Integrated Communications	
Marketing:		
MKTG 3143	Advertising and Promotion	
MKTG 3146	Digital Advertising	
MKTG 3153	Professional Selling	

Note: When declaring this minor students must:

- have a 2.50 cumulative GPA.
- have satisfactorily completed the Written and Oral requirements of the UNIFI/General Education program.

Available to all UNI majors.

Communication Minor

Required		
Communication:		
COMM 2256	Performing Texts	3
or COMM 2255	Public Speaking	
or COMM 2257	Argumentation and Debate	
or COMM 3455	Storytelling and Identity	
COMM 2344	Interpersonal Communication	3
or COMM 2205	Group Communication	
COMM 4211/5211	Rhetoric and Civic Culture	3
or COMM 4320	Leadership Communication and Citizenship	
or COMM 4444/5444	Communication, Community, and Change	
Electives in any COMM courses:		**12**
Total Hours		**21**

Communication-Theatre-Teaching Minor

The Communication-Theatre-Teaching minor is offered jointly by the Departments of Communication and Media and Theatre.

This minor leads to endorsement #168 5-12 Speech Communications/ Theatre.

Required		
COMM 2255	Public Speaking	3
COMM 2256	Performing Texts	3
COMM 2257	Argumentation and Debate	3
COMM DM 1611	Media and Power	3
THEATRE 3160	Directing	3
COMM 4559	Communication Education and Training	3
or THEATRE 3115	Methods of Teaching Drama and Theatre	
Electives (Select a total of 6 credit hours)		**6**
COMM 1940 & COMM 3940	Applied Forensics and Advanced Applied Forensics *	
COMM 1941 & COMM 3941	Applied Performance Studies and Advanced Applied Performance Studies *	
COMM 2455	Skills for Making Performance	
THEATRE 1010 & THEATRE 1011	Foundations of Theatre and Foundations of Theatre Lab **	
THEATRE 1030	Acting **	
THEATRE 2050	Theatre Practicum *	
Total Hours		**24**

* Any of these courses can be repeated up to three times.
** These classes must be taken before THEATRE 3160.

Communication/Digital Journalism Minor (Liberal Arts)

Required		
Communication:		
COMM COR 1010	Mass Communication and Society	3
Digital Media:		
COMM DM 1620	Fundamentals of Journalism	3
COMM DM 2653	News Writing and Reporting	3
COMM DM 3659	Editing and Design	3
Electives		
Select two of the following:		6
COMM DM 3900	Internship in Digital Media	
COMM DM 3658	Digital Journalism: (Topic)	
COMM DM 4611/561	History of U.S. Media	
COMM DM 4630/563	Digital Media Law and Ethics	
COMM DM 4644/564	Global Media	
COMM DM 4650	Advanced News Writing and Reporting	
COMM DM 4655	Photojournalism	
COMM DM 4656/565	Feature Writing	
Total Hours		**18**

Communication/Digital Media Leadership Minor

The minor in Digital Media Leadership will train students to analyze the structures and practice of the media industries, focusing on digital media production, distribution, promotion and management.

Required:		
Communication:		
COMM COR 1010	Mass Communication and Society	3
Digital:		
COMM DM 3656	Digital Media Industries	3
COMM DM 3657	Promotion of Digital Media	3
or COMM DM 4653/	Digital Media Distribution	
COMM DM 4654/5654	Digital Media Management	3
Management:		

MGMT 3153	Organizational Management	3
Total Hours		**15**

Digital Media Production Minor

The Digital Media Production minor will provide students with a strong foundation in the theory and practice of script development, video production, and video editing.

Required Courses:		
COMM DM 1650	Digital Media Seminar *	1
COMM DM 1651	Digital Media Production I *	3
COMM DM 1652	Writing for Digital Media	3
COMM DM 2651	Digital Media Production II *	3
Electives - Choose two from the following:		6
Digital Media:		
COMM DM 2652	Emerging Digital Media: (Topic)	
COMM DM 2654	Scriptwriting for Digital Media *	
COMM DM 4621/562	Digital Media Analysis *	
COMM DM 4641/564	Critical Studies in Digital Media: (Topic) *	
COMM DM 4642/564	Digital Technologies (Topic) *	
COMM DM 2950	Applied Digital Media (up to 3 credits)	
COMM DM 3950	Advanced Applied Digital Media (up to 3 credits)	
Language and Literature:		
ENGLISH 4664/5664	Film Theory and Criticism *	
ENGLISH 4660/5660	Film History *	
Total Hours		**16**

* These courses have the following prerequisites:
COMM DM 1650 and COMM DM 1651 are corequisites
COMM DM 2651 has COMM DM 1651 and COMM DM 1652 as prerequisites
COMM DM 2652 has COMM DM 1651 or consent of instructor as prerequisites
COMM DM 4621/5621 and COMM DM 4641/5641 have COMM CUK 2020 as a prerequisite
ENGLISH 4660/5660 and ENGLISH 4664/5664 have ENGLISH 2120 or COMM DM 1651 or ENGLISH 2650 as prerequisites

Communication/Public Relations Minor

Required		
Public Relations:		
COMM PR 1811	Principles of Public Relations	3
COMM PR 3855	Public Relations Writing	3
COMM PR 4811/5811	Public Relations: Cases and Studies	3
COMM PR 4855/5855	Public Relations Campaign Methods	3
COMM PR 4856/5856	Public Relations Special Events Planning	3
or COMM PR 4858/5858	Sports Public Relations	
Electives		
Select two from the following:		6
Communication:		
COMM COR 2020	Communication Research Methods	
COMM COR 4124	Communication and Media Theories	
COMM 3055	Organizational Communication	
COMM 3155	Business and Professional Oral Communication	
Digital Journalism:		
COMM DM 1620	Fundamentals of Journalism	
COMM DM 4630/5630	Digital Media Law and Ethics	
Public Relations:		
COMM PR 3844/5844	Public Relations: Integrated Communications	
COMM PR 4822/582	Global Public Relations	
COMM PR 4857/5857	Crisis Communication	
COMM PR 4859/585	Social Media	
Total Hours		**21**

Interactive Digital Studies Minor

The Interactive Digital Studies minor is interdisciplinary in nature and is under the jurisdiction of the Department of Communication and Media. This minor requires a 12-hour core plus 15-17 hours from one of the nine emphases.

Required		
Communication and Media:		
COMM 2555	Interactive Digital Communication I	3
COMM 4544/5544	Digital Culture and Communication	3
COMM COR 1010	Mass Communication and Society	3
COMM 3555	Interactive Digital Communication II	3
Electives - select one bundle (emphasis) from the following:		**15-17**
Total Hours		**27-29**

1. Digital Visualization (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
COMM 4558/5558	Advanced Digital Visualization: (Topic)	3
COMM DM 1611	Media and Power	3
or COMM 4213/5213	Visual Rhetoric	
COMM DM 3659	Editing and Design	3
COMM DM 4655	Photojournalism	3
Total Hours		**15**

2. Digital Computation (17 hours)

Computer Science:

CS 1510	Introduction to Computing	4
CS 1520	Data Structures	4
CS 2530	Intermediate Computing *	3
CS 3110	Web Application Development	3
CS 3120/5120	User Interface Design	3
Total Hours		**17**

* CS 2530 has the following prerequisites: CS 1510; CS 1520; CS 1800; or department approval. The prerequisite CS 1800 not included in requirements for this bundle is waived for Interactive Digital Studies majors and minors.

3. Digital Writing (15 hours)

English:

ENGLISH 2770	Introduction to Workplace Writing	3
ENGLISH 4025/5025	Theory and Practice of Writing	3
or ENGLISH 4040/5040	Digital Writing: Theory and Practice	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	3
or ENGLISH 4770/57	Applied Writing: Proposals and Grants	
Select 2 from the following courses (6 units total)		6
ENGLISH 4672/5672	Electronic Literature *	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
ENGLISH 4160/5160	Issues in Digital Humanities	
Total Hours		**15**

* Prerequisite(s): COMM 2555 or ENGLISH 2120 or consent of instructor; junior standing.

4. Digital Music (15 hours)

Music Theory (required):

MUS THEO 1300	Topics in Music Composition (Electronic Composition section)	2
MUS THEO 3220/5220	Music and Technology	4
MUS THEO 3230/5230	Music Technology, Advanced	4
Music Theory (select two of the following):		4
MUS THEO 1100	Introduction to Music Theory	
MUS THEO 1110	Theory I	
MUS THEO 1120	Theory II	
Theory class placement is determined by a diagnostic examination.		
Music elective		1

Additionally, it is recommended that students taking this bundle elect to take MUSIC 1100 as part of their UNIFI/General Education courses.

Total Hours	**15**

5. Digital Imaging (15 hours)

Graphic Technologies:

TECH 1055	Graphic Communications Foundations	3
TECH 2070	Digital Pre-Media	3
TECH 3169	Digital Imaging	3
TECH 4158/5158	Graphic Communication Data Visualization	3
TECH 4161	Digital Graphic Communications	3
Total Hours		**15**

6. Digital Advertising (15 hours)

Economics:

ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
Marketing:		
MKTG 2110	Principles of Marketing	3
MKTG 3143	Advertising and Promotion	3
MKTG 3146	Digital Advertising	3
MKTG 3148	Digital Customer Experience *	3
or ENTR 3583/5583	Entrepreneurship	
or MKTG 4150	Advertising Campaign Development	
Total Hours		**15**

* ENTR 3583/5583 has prerequisite of ENTR 2010 or (ACCT 2120; ACCT 2130; prerequisite or corequisite FIN 3130/5130; STAT 1772 or equivalent; ECON 1011; MKTG 2110; ECON 1031 or (ECON 1041 and ECON 1051)); junior standing.

7. Digital History (15 hours)

Communication and Media:

COMM 3558	Introduction to Digital Visualization	3
COMM 4412/5412	Performing History	3
History:		
HIST 1010	Introduction to Historical Skills	3
HIST 4010/5010	Introduction to Public History	3
HIST 4020/5020	Introduction to Museum Studies	3
Total Hours		**15**

8. Web Development (15 hours)

Communication and Media:

COMM 3558	Introduction to Digital Visualization	3

Computer Science:

CS 1100	Web Development: Client-Side Coding	3
CS 2100	Web Development: Server-side Coding	3
CS 3120/5120	User Interface Design	3
Marketing:		
MKTG 3148	Digital Customer Experience *	3
Total Hours		**15**

* MKTG 3148 has prerequisite of MKTG 2110 or consent of instructor. This prerequisite is waived for all Interactive Digital Studies majors and minors.

9**. Digital Video (15 hours)**

Communication and Media:		
COMM DM 1651	Digital Media Production I	3
COMM DM 1652	Writing for Digital Media	3
COMM DM 2651	Digital Media Production II	3
COMM DM 3658	Digital Journalism: (Topic)	3
COMM DM 4630/5630 or COMM DM 4644/	Digital Media Law and Ethics Global Media	3
Total Hours		**15**

10.Digtial Mapping (15 hours)

Geography:		
GEOG 1310	Digital Earth	3
GEOG 2320	Drones for Mapping and Communication	3
GEOG 2410	Geographic Information Systems I	3
GEOG 2420	Cartographic Design	3
GEOG 4335/5335	Web Mapping and GIS	3
Total Hours		**15**

Master of Arts Degree Program

Major in Communication and Media

Students interest in this major must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Communication and Media for any other application requirements. Detailed information on the major, including directions for procedures to follow for applying, in planning a program, and requesting assignment of an advisor, may be obtained from the Head of the Department of Communication and Media, the Director of Graduate Studies, or on the department's Web page at the following address: *cm.uni.edu/graduate-program*. Other graduate information and the application for graduate admission may be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Students who enroll in the program will pursue a degree in Communication and Media. Students may seek a certificate in the following areas: Performance, Rhetoric, and Advocacy; Communication Education and Training; Visual Communication and Digital Media; Organizational Leadership; and Strategic Communication.

The major is available on the **thesis** and **non-thesis** options. A **minimum of 30 semester hours** for the **thesis** option and **33 hours** for the **non-thesis** option are required. **A minimum of 18 semester hours of 6000-level course work is required for the thesis option,** including 6 hours of thesis credit**. A minimum of 12 semester hours of 6000-level course work is required for the non-thesis option.**

Students are required to successfully complete the following coursework:

- COMMGRAD 6001 Introduction to Graduate Study and Research
- COMMGRAD 6011 Communication and Media Theory
- COMMGRAD 6022 Communication Research Methodology

A student is required to successfully complete either a comprehensive exam (non-thesis option) or thesis.

Of the 30 or 33 hours required:

- 27 hours of course work must be in Communication and Media (*no more than* 3 hours outside the department and/or by transfer).
- *No more than* 6 hours of independent work: readings, projects, or specialized individual instruction.
- *No more than* 3 hours of workshop credit.

Non-thesis Option

Required Core:		
COMMGRAD 6001	Introduction to Graduate Study and Research	3
COMMGRAD 6011	Communication and Media Theory	3
COMMGRAD 6022	Communication Research Methodology	3
Electives (select 24 hours from the following):		**24**
COMMGRAD 6014	Seminar in Rhetoric	
COMMGRAD 6016	Mass Communication Theory	
COMMGRAD 6022	Communication Research Methodology (additional section/s of this besides what is required)	
COMMGRAD 6027	Seminar in Strategic Communication	
COMMGRAD 6042	Seminar in Communication	
COMMGRAD 6044	Seminar in Performance Studies	
COMMGRAD 6045	Seminar in Communication Education	
COMMGRAD 6046	Seminar in Visual and Digital Media	

Other 6000-level or 5000-level (approved through MyUniverse student request)		
Total Hours		**33**

Thesis Option

Required Core		
COMMGRAD 6001	Introduction to Graduate Study and Research	3
COMMGRAD 6011	Communication and Media Theory	3
COMMGRAD 6022	Communication Research Methodology	3
COMMGRAD 6299	Research (6 hrs.)	6
Electives (select 15 hours from the following):		**15**
COMMGRAD 6014	Seminar in Rhetoric	
COMMGRAD 6016	Mass Communication Theory	
COMMGRAD 6022	Communication Research Methodology (additional section/s of this besides what is required.)	
COMMGRAD 6027	Seminar in Strategic Communication *	
COMMGRAD 6042	Seminar in Communication	
COMMGRAD 6044	Seminar in Performance Studies	
COMMGRAD 6045	Seminar in Communication Education	
COMMGRAD 6046	Seminar in Visual and Digital Media	
Other 6000-level or 5000-level (approved by advisor and submitted through student request)		
Total Hours		**30**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following certificates, contact the Department of Communication and Media or the Office of the Registrar, which serves as the centralized registry.

Certificate in Communication Education and Training (graduate certificate)

Based in emphasis areas of organizational communication, communication pedagogy, and performance studies, the Communication Education and Training certificate demonstrates mastery in teaching at the college level, fostering positive work relationships, and training others in organizations. Upon completion of the requisite coursework, a student will have a deep knowledge of pedagogical and organizational processes, such as developing vision/mission goals, honing their instructional practice, and assessing team/class communication for areas of improvement.

Required courses: **		
COMMGRAD 6045	Seminar in Communication Education *	6
COMMGRAD 6014	Seminar in Rhetoric	3
COMMGRAD 6027	Seminar in Strategic Communication	3
Total Hours		**12**

* Repeat course (variable topic) for 6 hrs.

** Can Substitute up to 3 hours of the 12 hours as Readings in Communication or Studies in Communication with advisor approval.

Certificate in Communication, Community, and Public Advocacy

The Communication, Community, and Public Advocacy certificate emphasizes experiential learning in small classes to help students become pragmatic and creative public advocates and engaged community members. Through the certificate courses, students develop the critical competencies necessary to be a reflexive advocate who can adapt to changing contexts and cultures and across diverse communities. This certificate aligns with UNI's commitment to civic engagement. It centers the role communication can play in creating social change and how people can use their skills as advocates in a variety of community, political, and organizational settings.

COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	3
COMM 4444/5444	Communication, Community, and Change	3
COMM 4448/5448	Cultural Performance	3
or COMM 4346/5346	Gender Issues in Communication	
COMM 3456	Practicing Public Advocacy	3
Total Hours		**12**

Certificate in Conflict Resolution

Conflict can be viewed on both the macro and micro system levels. It can be interpersonal, as in the area of individual or family dynamics, or organizational, as in labor, racial/ethnic, or international relations. The Certificate in Conflict Resolution focuses on understanding the roots of conflict, as well as its management or resolution. This certificate is designed for students working toward a baccalaureate degree, and whose anticipated careers may provide opportunities for conflict resolution. Examples of related majors include social work, sociology, criminology, communication studies, education, environmental science, management, public administration, public policy, and political science.

The objectives of the Conflict Resolution program are to:

- provide students with a grounding in conflict theory and approaches to conflict resolution;
- provide students with beginning skills in conflict resolution and management;
- provide opportunities to integrate conflict resolution knowledge and skills in a variety of academic areas.

Program of Study, 15 hours total (five 3-hour classes)

Required		
Communication and Media:		
COMM 4333/5333	Communication and Conflict Management	3
Electives: select four courses from the lists below:		**12**
Teaching:		
TEACHING 4170/51	Human Relations: Awareness and Application **	
School of Applied Human Sciences:		
FAM SERV 1010	Human Identity and Relationships	
FAM SERV 1020	Family Relationships	
FAM SERV 3145/51	Violence in Intimate Relationships	
Psychology:		
PSYCH 2201	Psychology of Gender **	
PSYCH 2203	Social Psychology **	
Social Work:		
SW 3143	Self-Care and Stress Management in Helping Professions	
Communication and Media:		
COMM 4344/5344	Intercultural Communication	
COMM 4346/5346	Gender Issues in Communication	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
Social Work/Social Science:		
SW/SOC SCI 1041	Global Social Work	
SW 4163	Diversity and Difference **	
Social Science:		
SOC SCI 1020	Women, Men, and Society	
Political Science:		
POL INTL 3120	International Security	
POL INTL 3125	Politics of International Development	
POL INTL 3126	Human Rights	
POL COMP 3123	Nationalism	
History:		
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	
Geography:		
GEOG 3220	Environmental Geography: Variable Topic **	
Sociology:		
SOC 2040	Social Movements **	
SOC 2075	The Self in Social Context **	
SOC 3045/5045	Social Inequality **	
SOC/ANTH 3080	Immigration and Transnationalism **	
Total Hours		**15**

** These courses have additional prerequisites as follows:
PSYCH 2201 and PSYCH 2203 have a prerequisite of PSYCH 1001. PSYCH 1001 may be used to satisfy the Human Condition (Domestic) requirement of the UNIFI/General Education program.
SW 4163, SOC 2040, SOC 2075, SOC 3045/5045, and SOC 3080/5080 have a prerequisite of SOC 1000. SOC 1000 may be used to satisfy the Human Condition (Domestic) requirement of the UNIFI/General Education program.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
TEACHING 4170/5170 has a prerequisite of full admission into teacher education and junior standing.

Choice of courses and subsequent course prerequisites *may* increase the length of this program. A minimum grade of C is required in all courses taken for the certificate.

Certificate in Organizational Communication and Inclusive Leadership

Based in the emphasis areas of organizational communication and leadership communication, the Organizational Communication and Inclusive Leadership certificate demonstrates mastery in how to identify opportunities for organizational leadership infused with the ethics of inclusion. Upon completion of the requisite coursework, a student will be to identify what makes a successful leader, what the principles of inclusion are, and how to implement those principles in ways that enhance the organization's mission. This certificate can be obtained at the undergraduate (3000/4000) or graduate (5000) level. Courses taken at the graduate level will include additional coursework to differentiate experiences between undergraduate/graduate students.

Required courses: *		
COMM 4120/5120	Inclusive Leadership in the Workplace	3
COMM 4134/5134	Organizational Cultures and Communication	3
COMM PR 4857/5857	Crisis Communication	3
COMM 3000/5000	Selected Topics in Communication	3
Total Hours		**12**

* Graduate students can substitute up to 3 hours of the 12 hours as Readings in Communication or Studies in Communication with advisor approval.

Certificate in Organizational Communication and Training

The Organizational Communication and Training certificate provides students with an in-depth understanding of organizational communication theories and processes, emphasizing how communication impacts organizational effectiveness. Students will

develop skills in how to analyze organizational communication, as well as create and deliver high impact organizational training to diverse audiences.

Required:

COMM 3055	Organizational Communication	3
COMM 4134/5134	Organizational Cultures and Communication	3
COMM 4155/5155	Organizational Communication Assessment	3
COMM 4559	Communication Education and Training	3
COMM COR 2020	Communication Research Methods	3
Total Hours		**15**

Certificate in Performance, Rhetoric, and Advocacy (graduate certificate)

Based in the emphasis areas of rhetoric, performance studies, and digital media, the Performance, Rhetoric, and Advocacy certificate demonstrates mastery in how to analyze, organize, and execute advocacy work in a variety of contexts. Upon completion of the requisite coursework, a student will have a deep knowledge of the words, actions, bodies, and organizational structures of advocacy groups as well as the skills necessary to build community and solve problems.

Required: **

COMMGRAD 6044	Seminar in Performance Studies	3
COMMGRAD 6014	Seminar in Rhetoric	3
COMMGRAD 6046	Seminar in Visual and Digital Media	3
Select one of the following: *		
COMMGRAD 6044	Seminar in Performance Studies	3
or COMMGRAD 601	Seminar in Rhetoric	
Total Hours		**12**

* Repeat either COMMGRAD 6044 or COMMGRAD 6014.
** Can Substitute up to 3 hours of the 12 hours as Readings in Communication or Studies in Communication with advisor approval.

Certificate in Public Relations in Entertainment

This certificate focuses on learning about different types of theatre performances and techniques and strategies to promote all entertainment platforms.

Required:

COMM 2256	Performing Texts	3
COMM PR 1811	Principles of Public Relations	3
COMM PR 4855/5855	Public Relations Campaign Methods	3
THEATRE 1010	Foundations of Theatre	3
THEATRE 1011	Foundations of Theatre Lab	1
Total Hours		**13**

Certificate in Strategic Communication (graduate certificate)

Based on the emphasis areas of public relations, organizational communication, and media, the Strategic Communication certificate demonstrates mastery in managing a company's image and developing relationships between organizations and publics. Upon completion of the requisite coursework, a student will be able to craft long-term and short-term goals and public relations objectives and implement media plans for meeting those goals.

Required courses: **

COMMGRAD 6027	Seminar in Strategic Communication *	6
COMMGRAD 6045	Seminar in Communication Education	3
COMMGRAD 6046	Seminar in Visual and Digital Media	3
Total Hours		**12**

* Repeat course (variable topic) up to 6 hrs
** Can Substitute up to 3 hours of the 12 hours as Readings in Communication or Studies in Communication with advisor approval.

Certificate in Visual Communication and Digital Media (graduate certificate)

Based in the emphasis areas of digital media, rhetoric, and performance, the Visual Communication and Digital Media certificate demonstrates mastery in how to create, disseminate, and critique mediated images. Upon completion of the requisite coursework, a student will be to identify what makes effective, inclusive, and evocative imagery, and how to use that knowledge to create or disseminate media.

Required courses: **

COMMGRAD 6046	Seminar in Visual and Digital Media *	6
COMMGRAD 6044	Seminar in Performance Studies	3
COMMGRAD 6014	Seminar in Rhetoric	3
Total Hours		**12**

* Repeat course (variable topic) up to 6 hrs.
** Can Substitute up to 3 hours of the 12 hours as Readings in Communication or Studies in Communication with advisor approval.

Department of Communication Sciences and Disorders

(College of Humanities, Arts and Sciences)

https://chas.uni.edu

The Department of Communication Sciences and Disorders offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Communication Sciences and Disorders section in the following order:

Undergraduate Major (B.A.)

- Communication Disorders (p. 175)

Graduate Major (M.A.)

- Speech-Language Pathology (p. 176)

Bachelor of Arts Degree Program

Communication Disorders Major

The Communication Disorders major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required		
Communication Disorders		
CSD 1000	Understanding Communication Disorders	3
CSD 3100	Language Acquisition in Children: Birth to 5 Years	3
CSD 3120	Phonetics in Communicative Disorders	3
CSD 3135	Anatomy and Physiology of Speaking Mechanism	3
CSD 3130/5130	Neuroscience and the Study of Communication Disorders	3
CSD 3200/5200	Language of School-aged Children	3
CSD 3220	Disorders of Speech Sounds	3
CSD 3250/5250	Speech Science	3
CSD 3260/5260	Hearing Science	3
CSD 3270/5270	Introduction to Audiology	3
CSD 3650	Clinical Processes	2
CSD 3900/5900	Aural Rehabilitation	3
Statistical Measurement:		3
STAT 1772	Introduction to Statistical Methods	
Additional Requirements		
Students must select a minimum of 10 credit hours from Option 1 or Option 2		10
Option 1: Pre-professional speech-language pathology		
Communication Disorders:		
CSD 3140/5140	Introduction to Neurogenic Disorders	
CSD 3700/5700	Communication Disorders and Differences Across the Lifespan	
CSD 3150	Developmental Neurology in Communication Sciences and Disorders	
CSD 4500	Clinical Practice	
Option 2: Pre-professional audiology		
Psychology:		
PSYCH 3101	Biopsychology	
PSYCH 3204/5204	Psychology of Aging	
PSYCH 3303/5303	Health Psychology	
Social Work:		
SW 3143	Self-Care and Stress Management in Helping Professions	
Communication Disorders		
CSD 3140/5140	Introduction to Neurogenic Disorders	
CSD 3700/5700	Communication Disorders and Differences Across the Lifespan	
CSD 4000/5000	Honors in Communicative Disorders	
CSD 4100/5100	Augmentative and Alternative Communication	
CSD 3150	Developmental Neurology in Communication Sciences and Disorders	
CSD 4500	Clinical Practice	
Total Hours		48

Students must have an overall GPA of 3.00 or consent of the department head to declare a major in Communication Disorders. Declaration of the major must occur before enrollment in CSD 3650 and all accompanying courses in that semester's sequence. Transfers into the major must have a GPA of 3.00 to be accepted into the program. An overall GPA of 3.00 must be maintained throughout the undergraduate program or approval to continue must be obtained from the department head. Students must complete 25 clock hours of supervised clinical observation prior to beginning CSD 4500.

Students must receive a grade of B- or better in the required core courses offered by the Department of Communication Sciences and Disorders, and in the courses taken in either option, in order to receive credit toward the major. Students must repeat any major course (other than the course in statistics) for which they receive a grade lower than a B- . Any one course may be repeated once; a second failure to meet the required B- grade will necessitate review and consultation with the student's advisor and the department head. If a student does not attain and maintain the grade point requirement of the department, the student's Declaration of Major will be revoked and the individual referred to the Office of the Registrar as an undeclared student. All majors and all provisional majors must obtain their advisor's signature before registering for, adding, or dropping classes.

Students who plan on continuing in a graduate program in audiology or speech-language pathology, and completing professional certification requirements, are advised that they will need coursework in the biological, physical, and social/behavioral sciences. Usually, this requirement is fulfilled by courses taken in the UNIFI/General Education program. In the sciences, the content in the physical sciences should be physics or chemistry; social/behavioral sciences should be psychology, sociology, or anthropology.

Master of Arts Degree Program

Major in Speech-Language Pathology

The professional program in speech-language pathology is a program of both undergraduate and graduate courses leading to a Master of Arts degree. The program is designed to prepare students for careers as speech-language pathologists providing remedial services to the speech, language, and hearing disabled in a wide variety of settings including schools, hospitals, clinics, and care centers for the elderly.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Communication Sciences and Disorders for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. A **minimum of 52 semester hours** is required for **both options**. A minimum of 6 hours of CSD 6299 is required for the thesis option. **A minimum of 47 semester hours of 6000-level course work is required.**

Students may select the thesis or non-thesis option upon consultation with their graduate advisor. In the Department of Communication Sciences and Disorders, all students must have the approval of their advisor for registration for classes, including all adds and drops. Students who are suspended by the Graduate College may not enroll for major courses within this department.

All students must abide by the policies and procedures found in the Graduate Student Handbook, which is published by, and available in, the department.

The student, in consultation with the advisor, must choose courses designed to meet the standards of the Council on Academic Accreditation of the American Speech-Language-Hearing Association academic requirements for the Certificate of Clinical Competence. Recommendation for clinical certification will be given only upon successful completion of all academic and clinical requirements.

The student must complete a minimum of 400 clock hours of which 25 are observation and 375 are in direct patient contact in the supervised clinical practicum; at least 325 of the 400 clock hours must be at the graduate level. Students must complete a course covering communication modalities. This may be fulfilled at the undergraduate level with CSD 4100/5100 Augmentative and Alternative Communication or as an elective at the graduate level with CSD 5100.

Based on satisfactory completion of an undergraduate degree in Communication Disorders or the equivalent, course work, clinical assignments, and the internship experience will ordinarily take four semesters and one summer.

Students seeking endorsement #237 by the Iowa Department of Education typically complete course requirements as undergraduates, including SOCFOUND 3119 Schools and American Society and TEACHING 4170/5170 Human Relations: Awareness and Application, as well as additional hours of specified major courses and course work in professional education. To complete the requirements for an endorsement, graduate students enroll in TEACHING 6250 Advanced Laboratory Practice during their internship semester. Graduate students who need to complete course requirements for endorsement #237 should consult with their major academic advisor.

Requirements for certification and licensure include both graduate and undergraduate courses considered essential to certification and the master's degree. Prerequisite (*) courses will normally have been completed at the undergraduate level; if not, the student and departmental graduate academic advisor will determine how such incomplete requirements will be met. Students must complete 25 clock hours of supervised clinical observation prior to beginning clinical practice.

Students are expected to earn grades of B- or better in CSD 6560 Diagnostics in Communication Disorders and CSD 6660 Advanced Diagnostics in Communication Disorders and each of the seven required credits of CSD 6500 Advanced Clinical Practice: Full Semester/CSD 6510 Advanced Clinical Practice: 8 Week. Students who do not earn a B- grade will be required to meet with the clinic director and department head for review and consultation. Students who demonstrate significant difficulties in the clinical courses, such as failing to meet the B- requirement, may be asked to take an additional semester of either CSD 6500 Advanced Clinical Practice: Full Semester or CSD 6660 Advanced Diagnostics in Communication Disorders.

To meet the requirements for professional certification and licensure, students must attend professional issues lectures and demonstrations addressing topics such as professional ethics, medical and school practices, resumes/interviewing, the PRAXIS examination, professional certification and licensure, etc. Completion of this requirement will be tracked via the CALIPSO system.

Communication Disorders courses typically completed as an undergraduate:

CSD 3100	Language Acquisition in Children: Birth to 5 Years	3
CSD 3120	Phonetics in Communicative Disorders	3
CSD 3130/5130	Neuroscience and the Study of Communication Disorders	3
CSD 3135	Anatomy and Physiology of Speaking Mechanism	3
CSD 3200/5200	Language of School-aged Children	3
CSD 3220	Disorders of Speech Sounds	3
CSD 3250/5250	Speech Science	3
CSD 3260/5260	Hearing Science	3
CSD 3270/5270	Introduction to Audiology	3
CSD 3650	Clinical Processes	2
CSD 3700/5700	Communication Disorders and Differences Across the Lifespan	3
CSD 3900/5900	Aural Rehabilitation	3

Speech Language Pathology core (as a graduate student):

Required		

CSD 6000	Research Methods in Speech-Language Pathology and Audiology	2
CSD 6300	Treatment of Child Language Disorders	3
CSD 6400	Disorders of Voice	3
CSD 6450	Motor Speech Disorders	2
CSD 6500	Advanced Clinical Practice: Full Semester (Repeated for 6 hrs. required)	6
CSD 6510	Advanced Clinical Practice: 8 Week	1
CSD 6560	Diagnostics in Communication Disorders	2
CSD 6600	Dysphagia	3
CSD 6650	Aphasia and Related Disorders	3
CSD 6230	Structural Disorders - Craniofacial and Head & Neck Cancer	3
CSD 6289	Seminar in Speech-Language Pathology	2
CSD 6660	Advanced Diagnostics in Communication Disorders	2
CSD 6700	Clinical Phonology	3
CSD 6800	Fluency Disorders	2
To obtain required content in cognitive disorders, students must take one of the following seminar topics: Acquired Cognitive Disorders or Degenerative Diseases.		
Research:		
CSD 6299	Research	2 or 6
Thesis Option (6 hrs.)		
Non-thesis Option (2 hrs.)		
Internship:		9-14
CSD 6580	Internship in Clinical Settings (4 hrs. if combined with TEACHING 6250; otherwise 9 hours)	9
and/or		
TEACHING 6250	Advanced Laboratory Practice (10 hrs.)	
Electives		**0 or 4**
Non-thesis option (4 hrs.)		
Minimum 4 credits in addition to required CSD 6289 seminar for non-thesis option; no additional electives required for thesis option; courses as approved by the graduate advisor.		
Total hours non-thesis		52-57
Total hours thesis		52-57

Department of Computer Science

(College of Humanities, Arts and Sciences)

www.cs.uni.edu/

The Department of Computer Science offers the following undergraduate and program certificates. Specific requirements for these programs are listed within this Department of Computer Science section in the following order:

Undergraduate Majors (B.S.)

- Computer Science (p. 177)
- Networking and System Administration (p. 178)

Undergraduate Major (B.A.)

- Computer Science (p. 179)

Minor

- Computer Science (p. 180)
- Data Science (p. 180) (also listed in Department of Mathematics and Department of Physics)

Program Certificates

- Computer Science (p. 180)
- Computer Science Education (p. 180)

Notes:

1. Undergraduate students who have been admitted to the university provisionally because of non-satisfaction of the high school mathematics requirements may not enroll in any computer science credit course before this requirement has been met.
2. All courses counting toward a major or minor in the Department of Computer Science must be passed with a grade of C- or better.
3. Prerequisite courses in the Department of Computer Science must be passed with a grade of C before taking a subsequent course.
4. All majors in the Department of Computer Science require a project course (marked with asterisk in the degree statements). The course used to meet this requirement is to be taken in the area of specialization, i.e., an area in which at least three courses are taken.
5. All courses in a prerequisite chain to a course are considered regressive to it - students may not take them for credit after passing the later course. Additionally, CS 1120, CS 1130, CS 1160, CS ED 1310, and CS ED 1320 are regressive to CS 1520 and any course having it as prerequisite.
6. A student with a major in the Department of Computer Science cannot also receive a Computer Science minor.
7. A student with a major in the Department of Computer Science cannot also receive a Certificate in Computer Science.
8. A student with a minor in the Department of Computer Science cannot also receive a Certificate in Computer Science.

Bachelor of Science Degree Programs

Computer Science Major

The B.S. Computer Science major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education

requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required		
Computer Science:		
CS 1410	Computer Organization	3
CS 1510	Introduction to Computing	4
CS 1520	Data Structures	4
CS 1800	Discrete Structures	3
CS 2530	Intermediate Computing	3
CS 3730/5730	Project Management	1
Research:		
CS 4800	Undergraduate Research in Computer Science (topic pre-approved by department)	1
Electives		
Mathematics:		
Select four from the following:		13
MATH 1420	Calculus I ^,#	
MATH 1421	Calculus II #	
MATH 2500	Linear Algebra for Applications	
MATH 3440/5440	Numerical Analysis	
MATH 3530/5530	Combinatorics	
MATH 3752/5752	Introduction to Probability	
STAT 1772	Introduction to Statistical Methods	
Computer Science:		24
Eight courses including:		
A specialty of three courses from the Foundations area		
A specialty of three courses from one other area		
One course from each of the remaining two areas		
One of the specialty areas must include a project course (marked with an asterisk *)		
Foundations:		
CS 3530	Design and Analysis of Algorithms	
CS 3540	Programming Languages and Paradigms	
CS 3810/5810	Theory of Computation	
CS 4550/5550	Translation of Programming Languages *	
CS 4880/5880	Topics in Computer Science †	
Data and Applications:		
CS 3140/5140	Database Systems	
CS 3150/5150	Information Storage and Retrieval	
CS 3610/5610	Artificial Intelligence #	
CS 3650/5650	Computational Biology	
CS 4620/5620	Intelligent Systems *	
CS 4880/5880	Topics in Computer Science †	
Software Engineering:		
CS 2720	Software Engineering	
CS 3120/5120	User Interface Design	
CS 3750/5750	Software Verification and Validation	
CS 4740/5740	Real-Time Embedded Systems *,#	
CS 4880/5880	Topics in Computer Science †	
Systems:		
CS 2420	Computer Architecture and Parallel Programming	
CS 3430/5430	Operating Systems	
CS 3470/5470	Networking	
CS 4400/5400	System Administration	
CS 4410/5410	System Security *	
CS 4420	Applied Systems Forensics *	
CS 4880/5880	Topics in Computer Science †	
Electives:		**6**
Two courses selected from among the Computer Science "area" courses and 2000-level or above courses meeting the Mathematics requirements.		
Total Hours		**62**

^ MATH 1420 has prerequisite of MATH 1140, or MATH 1110 and MATH 1130, or equivalent.

* A project course must be taken as one of the three in the specialty area.

MATH 1420, MATH 1421, and CS 4740/5740 are 4-hour courses. CS 3610/5610 is a 4-hour course if taken with lab.

† CS 4880/5880 may be counted in a specialty area with department approval for the specific topic.

Networking and System Administration Major

The B.S. Networking and System Administration major requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required		
Mathematics:		
MATH 1420	Calculus I ^	4
MATH 1421	Calculus II	4
Computer Science:		
CS 1410	Computer Organization	3
CS 1510	Introduction to Computing	4
CS 1520	Data Structures	4
CS 1800	Discrete Structures	3
CS 3430/5430	Operating Systems	3
CS 3470/5470	Networking	3
CS 3730/5730	Project Management	1
CS 4400/5400	System Administration	3
CS 4410/5410	System Security	3
CS 4420	Applied Systems Forensics	3
CS 4800	Undergraduate Research in Computer Science (1 hr.))	1
Physics:		

PHYSICS 4300/5300	Introduction to Electronics	4
Choose ONE of the following sequences:		8
PHYSICS 1511	General Physics I	
PHYSICS 1512	General Physics II	
OR		
PHYSICS 1701	Physics I for Science and Engineering	
PHYSICS 1702	Physics II for Science and Engineering	
Electives		**6**
Computer Science:		
from courses numbered 2420 or above, excluding CS 2880, CS 3110, and CS 3510 *		
Technology:		
TECH 1037	Introduction to Circuits	
TECH 1039	Circuits and Systems	
TECH 2041	Introduction to Analog Electronics	
TECH 3152	Advanced Analog Electronics	
TECH 3156	Advanced Digital Electronics	
TECH 4103/5103	Electronic Communications	
TECH 4104/5104	Applied Digital Signal Processing	
Total Hours		**57**

^ Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

Bachelor of Arts Degree Programs

Computer Science Major

The B.A. Computer Science major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required		
Computer Science:		
CS 1410	Computer Organization	3
CS 1510	Introduction to Computing	4
CS 1520	Data Structures	4
CS 1800	Discrete Structures	3
CS 2530	Intermediate Computing	3
CS 3730/5730	Project Management	1
Electives		
Mathematics:		
Select two of the following:		6
MATH 1420	Calculus I ^,#	
MATH 1421	Calculus II #	
MATH 2500	Linear Algebra for Applications	
MATH 3440/5440	Numerical Analysis	
MATH 3530/5530	Combinatorics	
MATH 3752/5752	Introduction to Probability	
STAT 1772	Introduction to Statistical Methods	
Computer Science:		18
Six courses including:		
Three courses from one specialty area		
One course from each of the remaining three areas		
Specialty area must include a project course (*)		
Foundations:		
CS 3530	Design and Analysis of Algorithms	
CS 3540	Programming Languages and Paradigms	
CS 3810/5810	Theory of Computation	
CS 4550/5550	Translation of Programming Languages *	
CS 4880/5880	Topics in Computer Science †	
Data and Applications:		
CS 3140/5140	Database Systems	
CS 3150/5150	Information Storage and Retrieval	
CS 3610/5610	Artificial Intelligence #	
CS 3650/5650	Computational Biology	
CS 4620/5620	Intelligent Systems *	
CS 4880/5880	Topics in Computer Science †	
Software Engineering:		
CS 2720	Software Engineering	
CS 3120/5120	User Interface Design	
CS 3750/5750	Software Verification and Validation	
CS 4740/5740	Real-Time Embedded Systems *,#	
CS 4880/5880	Topics in Computer Science †	
Systems:		
CS 2420	Computer Architecture and Parallel Programming	
CS 3430/5430	Operating Systems	
CS 3470/5470	Networking	
CS 4400/5400	System Administration	
CS 4410/5410	System Security *	
CS 4420	Applied Systems Forensics *	
CS 4880/5880	Topics in Computer Science †	
Electives		**3**
One course selected from among the Computer Science "area" courses and 2000-level or above courses meeting the Mathematics requirement.		
Total Hours		**45**

^ MATH 1420 has prerequisite of MATH 1140, or MATH 1110 and MATH 1130, or equivalent.

* A project course must be taken as one of the three in the specialty area.

MATH 1420, MATH 1421, and CS 4740/5740 are 4-hour courses. CS 3610/5610 is a 4-hour course if taken with lab.

† CS 4880 may be counted in a specialty area with department approval for the specific topic.

Minors

Computer Science Minor

A student with a major in the Department of Computer Science cannot also receive a Computer Science minor.

Required		
Computer Science:		
CS 1410	Computer Organization	3
CS 1510	Introduction to Computing	4
CS 1520	Data Structures	4
CS 1800	Discrete Structures	3
CS 2530	Intermediate Computing	3
Electives		
any Computer Science course that counts toward the Computer Science B.A. major		9
Total Hours		**26**

Data Science Minor

The Data Science minor is an interdisciplinary program that integrates computer programming, machine learning, statistics, predictive modeling and visualization to provide students with broad based skills for extracting gainful information from data that originate from a variety of sources. A final project (ideally with corporate or non-profit partnerships) will ensure that students employ their skills to solve a real-world problem.

Statistics:		
STAT 1772	Introduction to Statistical Methods	3
STAT 4784/5784	Introduction to Machine Learning	3
Computer Science:		
CS 1510	Introduction to Computing	4
CS 2150	Computing for Data Science	3-7
or		
CS 1520 & CS 1800	Data Structures and Discrete Structures	
CS 3140/5140	Database Systems	3
Physics:		
PHYSICS 4160/5160	Data Visualization, Modeling and Simulation	3
Required Data Science Project		2-3
CS 4800	Undergraduate Research in Computer Science	
or MATH 4990	Undergraduate Research in Mathematics	
or PHYSICS 3000	Undergraduate Research in Physics	
Total Hours		**21-26**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following certificates, contact the Department of Computer Science or the Office of the Registrar, which serves as the centralized registry.

Certificate in Computer Science

A student with a major in the Department of Computer Science cannot also receive a Certificate in Computer Science.

Required		
Computer Science:		
CS 1520	Data Structures	4
one course from the following:		3-4
CS 1120	Media Computation	
CS 1130	Visual BASIC Programming	
CS 1160	C/C++ Programming	
CS ED 1310	Programming Environments for Elementary Education	
CS ED 1320	Fundamentals of Programming	
CS 1510	Introduction to Computing	
Two courses, from ONE of the following groups:		6
Group 1:		
CS 1800	Discrete Structures	
CS 2530	Intermediate Computing	
or Group 2:		
CS 1410	Computer Organization	
CS 2420	Computer Architecture and Parallel Programming	
Total Hours		**13-14**

Certificate in Computer Science Education

This Computer Science Education certificate is appropriate for students interested in adding experience in computer science to a teaching license. It is for students with a teaching major in a discipline outside of computer science. It consists of the coursework approved by the Iowa Board of Educational Examiners to qualify for the addition of the state's 5-12 Computer Science endorsement #278 on a state teaching license.

Required:		
CS ED 1320	Fundamentals of Programming	3
CS ED 2310	Foundational Concepts in Computer Science	3
CS ED 3310/5310	Teaching and Learning Programming	3
CS ED 3320/5320	Data Structures and Algorithms	3
CS ED 4330/5330	Methods for Teaching Computer Science	3
Total Hours		**15**

Department of Curriculum and Instruction

(College of Education)

https://coe.uni.edu/curriculum-instruction

The Department of Curriculum and Instruction offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Curriculum and Instruction section in the following order:

Undergraduate Majors (B.A.)

- Early Childhood Education-Teaching (p. 181)
- Elementary Education-Teaching (K-6 General Classroom Teacher) (p. 183)
- Middle Level Education Dual Major-Teaching (p. 185)

Minors

- Early Childhood Education-Teaching (p. 186)
- Educational Technology (p. 186)
- Literacy Education-Teaching (p. 186)
- Social & Emotional Learning (p. 187)
- Social Studies (K-8)-Teaching (p. 188)

Graduate Majors (M.A.)

- Learning Technologies and Instructional Design (p. 188)
- School Library Studies (p. 189)

Graduate Majors (M.A.E.)

- Early Childhood Education (p. 190)
- Elementary Education (p. 190)
- Literacy Education (p. 191)

Graduate Major (Ed.D.)

- Doctor of Education: Curriculum and Instruction intensive study area (p. 191)

(for all requirements for Doctor of Education see website www.uni.edu/catalog/collegeofeducation)

Program Certificates

- Education of the Gifted (p. 192)
- Learning Technologies Facilitator (p. 193)
- Advanced Studies Certificate: Literacy Coach (p. 193)
- Advanced Studies Certificate: Reading Recovery Teacher Leader (p. 194)

Bachelor of Arts Degree Programs

Early Childhood Education Major-Teaching

This major leads to licensure for teaching young children from birth through grade 3, with an emphasis on working in inclusive settings. The student will complete the UNIFI/General Education requirements, the Professional Education Requirements, the specified major requirements, plus electives to complete a minimum of 120 hours. The prescribed program is as follows:

This major leads to licensure for teaching young children from birth through grade 3, with an emphasis on working in inclusive settings (endorsement #1001 PK-3 Birth through grade three, Inclusive Settings). Early childhood education majors engage in a blended curriculum that prepares them for both general education and special education positions in early childhood settings.

Students majoring in Elementary Education, Early Childhood Education or Middle Level Education may not **repeat or withdraw** from any courses within the ELEMECML, LRNTECH, or LITED course categories more than twice (taking any course a total of 3 times). Students in these programs are also limited to a maximum of five course retakes across these same courses. Under extraordinary circumstances, an elementary, early childhood or middle level education major may request in writing that an exception be made to this policy. All written requests will be reviewed by the appropriate C&I faculty who shall determine whether or not an exception will be granted. In any case where an exception is not granted, a student may appeal the decision through the regular appeal process for other teacher education related appeals. This policy applies to all majors declared after April 2016.

I. Professional Education Requirements-Early Childhood Education

Required:		
Special Education:		
SPED 3150	Meeting the Needs of Diverse Learners in Classrooms	2
Instructional Technology:		
LRNTECH 1031	Educational Technology and Design	3
TEACHING 4170/5170	Human Relations: Awareness and Application (*)	3

* Before enrolling in TEACHING 4170/5170, the student must be fully admitted to the Teacher Education Program.

Level I

Educational Psychology:		
TEACHING 2017	Level 1 Field Experience: Exploring Teaching	1
EDPSYCH 2030	Dynamics of Human Development	3

Level II

(Before enrolling in Level II, the student must be fully admitted to the Teacher Education Program.)

TEACHING 3128	Level 2 Field Experience: Lesson Planning and Instruction	1
Educational Psychology:		
EDPSYCH 3148	Learning and Motivation in Classroom Contexts	3

Level III

(Before enrolling in Level III, the student must be fully admitted to the Teacher Education Program.)

Social Foundations:		
SOCFOUND 3119	Schools and American Society	3
Teaching:		12
TEACHING 3132	Early Childhood Teaching	
Total Hours Professional Education Requirements-Early Childhood		**31**

II. Early Childhood Education Major Requirements

Required:		
Educational Psychology:		
EDPSYCH 3109	Development and Assessment of Young Children	3
Elementary, Early Childhood, and Middle Level Education:		
ELEMECML 3149/5149	Child, Family, School and Community Relationships	3
ELEMECML 3161	Teaching Elementary School Science	3
ELEMECML 3164	Teaching Elementary School Social Studies	3
ELEMECML/SPED 4124	Infant Toddler Curriculum and Early Intervention	3
ELEMECML 4130/5130	Guidance and Instruction in Early Childhood Education	3
ELEMECML 4151/5151	Early Childhood Curriculum Development and Organization	3
ELEMECML 4162/5162	Administration and Advocacy of Early Childhood Programs	2
ELEMECML 4192/5192	Field Experience and Seminar in Early Childhood	2
Literacy Education:		
LITED 1044	Children's Literature	3
LITED 3115	Methods of Teaching Early Literacy	3
LITED 3119/5119	Language Development and Emergent Literacy	3
Mathematics:		
MATH 1204	Mathematical Reasoning **	3
MATH 2204	Mathematical Reasoning for Elementary Teachers II **	3
MATH 3203	Teaching Mathematics in the Elementary School	3
MATH 3204	Mathematical Reasoning for Elementary Teachers III **	3
Life Science course:		3-4
SCI ED 1200	Inquiry into Life Science (recommended)	
OR		
Any life/biological (BIOL xxxx) science course		
Physical Science course:		3-4
SCI ED 1300	Inquiry into Physical Science (recommended)	
OR		
Any chemistry (CHEM xxxx) or physics (PHYSICS xxxx)		
Earth/Space Science:		3-4
One course from the following:		
SCI ED 1100	Inquiry into Earth and Space Science (recommended)	
EARTHSCI 1100	Astronomy	
EARTHSCI 1200	Elements of Weather	
EARTHSCI 1300	Introduction to Geology	
Special Education:		
SPED 4192/5192	Experience in Special Education	1
SPED 4148/5148	Assessment of Young Children and Families with Exceptionalities	3
Total Hours		**59-62**

** Students must earn a C- or higher in MATH 1204, MATH 2204, and MATH 3204 in order for the course to satisfy in the Early Childhood Education major.

A 2.50 grade index in all course work at the University of Northern Iowa, and, also, a 2.50 GPA in all course work at this university and elsewhere, or the approval of the head of the Department of Curriculum and Instruction is required for registration in major courses in the department.

Students should plan their course work so that all Early Childhood courses are taken prior to student teaching. Students must have a cumulative, UNI, and major GPA of 2.50 in order to student teach. In addition, students must achieve a grade of C (2.00) or higher in the following methods classes in order to student teach:

ELEMECML 3149/5149	Child, Family, School and Community Relationships	3
ELEMECML 3161	Teaching Elementary School Science	3
ELEMECML 3164	Teaching Elementary School Social Studies	3
ELEMECML/SPED 4124	Infant Toddler Curriculum and Early Intervention	3
ELEMECML 4130/5130	Guidance and Instruction in Early Childhood Education	3
ELEMECML 4151/5151	Early Childhood Curriculum Development and Organization	3
LITED 3115	Methods of Teaching Early Literacy	3
MATH 3203	Teaching Mathematics in the Elementary School	3

Students should apply for their student teaching one year in advance.

Elementary Education Major-Teaching (K-6 General Classroom Teacher)

This major leads to endorsement #102 K-6 Teacher Elementary Classroom.

Students majoring in Elementary Education, Early Childhood Education or Middle Level Education may not **repeat or withdraw** from any courses within the ELEMECML, LRNTECH, or LITED course categories more than twice (a total of three times for any course). Students in these programs are also limited to a maximum of five course retakes across these same courses. Under extraordinary circumstances, an elementary, early childhood or middle level education major may request in writing that an exception be made to this policy. All written requests will be reviewed by the appropriate C&I faculty who shall determine whether or not an exception will be granted. In any case where an exception is not granted, a student may appeal the decision through the regular appeal process for other teacher education related appeals. This policy applies to all majors declared after April 2016.

The student will complete the UNIFI/General Education requirements, the Professional Education Requirements, the major requirements, a 12-hour area of specialization (this requirement is covered by the UNIFI/General Education program), and electives to complete a minimum of 120 hours. The prescribed program is as follows:

I. Professional Education Requirements-Elementary Education

Required:		
Special Education:		
SPED 3150	Meeting the Needs of Diverse Learners in Classrooms	2
Instructional Technology:		
LRNTECH 1031	Educational Technology and Design *	3
Human Relations:		
TEACHING 4170/5170	Human Relations: Awareness and Application **	3

* Students must select LRNTECH 1031 Educational Technology and Design in place of LRNTECH 1020 Secondary Educational Technology and Design in the Professional Education Requirements unless the computer requirement is addressed in a minor subject field or elective course.

** Before enrolling in TEACHING 4170/5170 (280:170g), the student must be fully admitted to the Teacher Education Program

Level I

Educational Psychology:		
TEACHING 2017	Level 1 Field Experience: Exploring Teaching	1
EDPSYCH 2030	Dynamics of Human Development	3

Level II

(Before enrolling in Level II, the student must be fully admitted to the Teacher Education Program.)

TEACHING 3128	Level 2 Field Experience: Lesson Planning and Instruction	1
EDPSYCH 3148	Learning and Motivation in Classroom Contexts	3
MEASRES 3150	Classroom Assessment	2

Level III

(Before enrolling in Level III, the student must be fully admitted to the Teacher Education Program.)

Social Foundations:		
SOCFOUND 3119	Schools and American Society	3
Teaching:		12
TEACHING 3134	Elementary Teaching	
Total hours Professional Education Requirements-Elementary Education		33

II. Elementary Education Major Requirements

Required:		
Elementary, Early Childhood, and Middle Level Education:		15
ELEMECML 3120	Classroom Management K-8	
ELEMECML 3161	Teaching Elementary School Science	
ELEMECML 3164	Teaching Elementary School Social Studies	
ELEMECML 4123/5	Methods of Teaching Visual and Performing Arts Integration in the Elementary Classroom	
ELEMECML 4150	Elementary Curriculum	
Literacy Education:		9
LITED 1044	Children's Literature	
LITED 3115	Methods of Teaching Early Literacy	
LITED 3116	Methods of Teaching Content Literacy in the Intermediate Grades *	
Kinesiology, Allied Health and Human Services-Interdepartmental:		3
KAHHS 2045	Health and Physical Education for Elementary Teachers	
Mathematics:		
MATH 1204	Mathematical Reasoning **	3
MATH 2204	Mathematical Reasoning for Elementary Teachers II **	3
MATH 3204	Mathematical Reasoning for Elementary Teachers III **	3
MATH 3203	Teaching Mathematics in the Elementary School	3
Life Science course:		3-4
SCI ED 1200	Inquiry into Life Science (recommended)	

OR		
Any life/biological (BIOL xxxx) science course		
Physical Science course:		3-4
SCI ED 1300	Inquiry into Physical Science (recommended)	
OR		
Any chemistry (CHEM xxxx) or physics (PHYSICS xxxx)		
Earth/Space Science:		3-4
One course from the following:		
SCI ED 1100	Inquiry into Earth and Space Science (recommended)	
EARTHSCI 1100	Astronomy	
EARTHSCI 1200	Elements of Weather	
EARTHSCI 1300	Introduction to Geology	
Total Hours		**48-51**

* Middle Level/Elementary Education double majors may substitute LITED 4117/5117 Methods of Teaching Content Literacy at the Middle and Secondary Levels for LITED 3116 Methods of Teaching Content Literacy in the Intermediate Grades.

** Students must earn a C- or higher in MATH 1204, MATH 2204 and MATH 3204 in order for the course to satisfy in the Elementary Education major.

A 2.50 grade index in all work at the University of Northern Iowa and, also, a 2.50 GPA on all course work at this university and elsewhere, or the approval of the head of the Department of Curriculum and Instruction is required for registration in major courses in the department.

Students should plan their course work so that the following courses are taken concurrently as a professional semester block, prior to student teaching:

Elementary, Early Childhood, and Middle Level Education:	
ELEMECML 3120	Classroom Management K-8
ELEMECML 3161	Teaching Elementary School Science
ELEMECML 3164	Teaching Elementary School Social Studies
Literacy Education:	
LITED 3116	Methods of Teaching Content Literacy in the Intermediate Grades
Mathematics:	
MATH 3203	Teaching Mathematics in the Elementary School

To be eligible for the courses in the Professional Semester block, students must have completed Level II of the Professional Education Requirements, a curriculum course [ELEMECML 4150 Elementary Curriculum], and have a cumulative 2.50 GPA. Students should plan their course work so that all Elementary Education courses are taken prior to student teaching. Students must have a cumulative, UNI, and major GPA of 2.50 in order to student teach. In addition, students must achieve a grade of C (2.00) or higher in the following methods classes in order to student teach:

ELEMECML 3120	Classroom Management K-8	3
ELEMECML 3161	Teaching Elementary School Science	3
ELEMECML 3164	Teaching Elementary School Social Studies	3
LITED 3115	Methods of Teaching Early Literacy	3
LITED 3116	Methods of Teaching Content Literacy in the Intermediate Grades	3
MATH 3203	Teaching Mathematics in the Elementary School	3

Students should apply for their student teaching one year in advance.

Verification of Iowa Teaching Licensure Requirements

In addition to the Elementary Education major requirements, students must complete coursework in 9 credit hours in the social sciences: history, economics, psychology, sociology, geography or political science/Civic Literacy to be eligible to be recommended for an Iowa teaching license. Courses used to satisfy a UNIFI/General Education category **may** also be used to satisfy these licensure requirements.

9 hours from 3 different areas:	
History: with prefix HISEUA, HISEUB, HISNW, HISUS, HIST	
or classes	
HUM 1021	Humanities I: The Ancient, Classical, and Medieval Worlds
or HUM 1022	Humanities II: The Renaissance, Reformation, and Enlightenment
or HUM 1023	Humanities III: The Age of Revolution to the Present
Economics: with prefix ECON	
Psychology: with prefix PSYCH	
Sociology: with prefix SOC	
Geography: with prefix GEOG	
Political Science/Civic Literacy: with prefix POL AMER	

III. Area of Specialization

Students will include a 12-hour area of specialization. UNIFI/General Education courses may be counted toward the 12-hour area of specialization.

Listed below are teaching minors that are available to students pursuing K-6 General Classroom teacher licensure. Completion of a minor will grant the appropriate endorsement in addition to the K-6 General Classroom teacher endorsement.

Endorsement Minors:

Art Education (K-8)-Teaching (listed in Department of Art)
Basic Science (K-8)-Teaching (listed in Science and Science Education)

Early Childhood Education-Teaching (listed below)
Health Education (K-8)-Teaching (listed in Department of Health, Recreation and Community Services)
Mathematics (K-8)-Teaching (listed in Department of Mathematics)
Languages (K-8)-Teaching (listed in Department of Languages and Literatures)
Literacy Education (Reading K-8 and 5-12) (listed below)
Social Studies (K-8)-Teaching (listed below)
Special Education-Teaching (listed in Department of Special Education)

Purple Pathway for Paraeducators Program

The Purple Pathway program is an accelerated, online, practice that allows paraeducators holding an AA or AS degree to complete a Bachelor of Arts degree in Elementary Education that leads to recommendation for licensure for the K-6 Elementary (#102) and K-8 Instructional Strategist l: Mild/Moderate Special Education (#260) teaching endorsements. Paraeducator/students complete 80 credits from the University of Northern Iowa over a period of two years. District/school recommendations of support are required for participation in this program.

Middle Level Education Dual Major-Teaching

This major is designed to prepare students to teach young adolescents at the middle level of education (grades 5-8). This is a dual major and must be combined with either an elementary or secondary education teaching major. Students will complete UNIFI/General Education requirements, the Professional Education Requirements, major requirements for middle level education, major requirements for elementary or secondary education, and endorsement requirements for the Iowa Middle School endorsement for a minimum total of 129 hours.

This major leads to 2-4 of the following endorsements: 1821: 5-8 Middle School Language Arts, 1822: 5-8 Middle School Mathematics, 1823: 5-8 Middle School Science, 1824: 5-8 Middle School Social Studies. The holder of this endorsement is authorized to teach in grades five through eight in two to four concentration areas in which the specific requirements have been completed. The holder is not authorized to teach art, industrial arts, music, reading, physical education and special education, but may teach in other areas allowed by the State of Iowa.

Students majoring in Elementary Education, Early Childhood Education or Middle Level Education may not **repeat or withdraw** from any courses within the ELEMECML, LRNTECH, or LITED course categories more than twice (a total of 3 times for any course). Students in these programs are also limited to a maximum of five course retakes across these same courses. Under extraordinary circumstances, an elementary, early childhood or middle level education major may request in writing that an exception be made to this policy. All written requests will be reviewed by the appropriate C&I faculty who shall determine whether or not an exception will be granted. In any case where an exception is not granted, a student may appeal the decision through the regular appeal process for other teacher education related appeals. This policy applies to all majors declared after April 2016.

Required:

Educational Psychology:		3
EDPSYCH 4152/5152	Development of the Middle School Aged Child	
Middle Level Education:		8
ELEMECML 3120 or EDPSYCH 4151/5151	Classroom Management K-8 Approaches to Classroom Management for Secondary Students	
ELEMECML 4135/5135	Middle Level Instruction, Differentiation, and Assessment	
ELEMECML 4152/5152	Middle Level Curriculum	
Literacy Education:		4
LITED 4117/5117	Methods of Teaching Content Literacy at the Middle and Secondary Levels	
LITED 4155/5155	English Language Structures and Usage for K-8 Educators	
Total Hours		**15**

Students will complete a minimum of 12 hours of course work in two, three, or four subject area concentrations. Subject area concentrations are limited to the following four areas and must include the specified course work.

Required:

Language Arts: to include composition, language usage, speech, young adult literature, and literature across cultures	12
Mathematics: to include algebra	12
Science: to include life, earth, and physical	12
Social Studies: to include United States history, world history, government, and geography	12
Minimum of 24 hours	

Some or all of this course work may be completed as part of the UNIFI/General Education requirements. Students should contact their advisor, the College of Education Advising Center, or the undergraduate record analyst in the Office of the Registrar to determine specific courses required for the endorsement.

Students should plan their course work so that all Middle Level Education courses are taken prior to student teaching. Students must have a cumulative, UNI, and major GPA of 2.50 in order to student teach. In addition, students must achieve a grade of C (2.00) or higher in the following methods classes in order to student teach:

ELEMECML 3120	Classroom Management K-8	3
ELEMECML 4135/5135	Middle Level Instruction, Differentiation, and Assessment	3
LITED 4117/5117	Methods of Teaching Content Literacy at the Middle and Secondary Levels	3

and other methods courses required by their second major. Students should apply for their student teaching one year in advance.

Each program of study should be planned so the following courses are completed after Level II of the Professional Education Requirements and prior to student teaching:

ELEMECML 3120	Classroom Management K-8	3
ELEMECML 4135/5135	Middle Level Instruction, Differentiation, and Assessment	3
ELEMECML 4152/5152	Middle Level Curriculum	2

and all methods courses. The student teaching semester will include two experiences, one in either an elementary or secondary classroom, depending on the primary major, and the other in a teamed or departmentalized, grades 5-8, middle level classroom. Students enroll for TEACHING 3137 and TEACHING 3134 or TEACHING 3138 for a total of 12 hours.

Minors

Early Childhood Education Minor -Teaching

Elementary Education majors may choose to minor in Early Childhood Education. This minor provides undergraduate students wishing to teach in prekindergarten and kindergarten classrooms with advanced knowledge and experiences in child development and learning, integrated curriculum, family and community relations, positive guidance and assessment in early childhood. **Completion of a minor will lead to the** State of Iowa Teacher- PK-Kindergarten (ED 103) endorsement which can only be earned in conjunction with the **K-6 General Classroom teacher endorsement.**

Enrollment Management Policies: The Early Childhood Education teaching minor is only available to students pursuing K-6 General Classroom teacher licensure. Early Childhood Education minors may begin their program in either fall or spring semester. Students should contact their advisor, the College of Education Advising Center, or the undergraduate record analyst in the Office of the Registrar to determine specific courses required for the endorsement.

Admission requirements: In order to declare this minor, a student must have a GPA of 2.5 or higher and be admitted to the Teacher Education program.

Students should plan their course work so that all Early Childhood Education courses are taken prior to student teaching. Students must have a cumulative, UNI, minor and major GPA of 2.50 in order to student teach. Student teaching placements in a PreK classroom and an elementary classroom are required (TEACHING 3132 and TEACHING 3134).

EDPSYCH 2030	Dynamics of Human Development	3
MEASRES 3150	Classroom Assessment	2
EDPSYCH 3109	Development and Assessment of Young Children	3
ELEMECML 3149/5149	Child, Family, School and Community Relationships	3
ELEMECML 4130/5130	Guidance and Instruction in Early Childhood Education	3
ELEMECML 4151/5151	Early Childhood Curriculum Development and Organization	3
ELEMECML 4192/5192	Field Experience and Seminar in Early Childhood	2
LITED 3119/5119	Language Development and Emergent Literacy	3
Total Hours		**22**

Educational Technology Minor

The Educational Technology Minor has 5 designated courses, however 2 of the courses (LRNTECH 4110/5110 and LRNTECH 4138/5138) can be replaced by other courses in specific subject areas (i.e., Assistive Technologies for Special Ed) with student request and instructor permission. Educational Technology minor students may begin their program in either Fall or Spring semester.

Required:		
Instructional Technology:		
LRNTECH 1020	Secondary Educational Technology and Design	2-3
or LRNTECH 1031	Educational Technology and Design	
LRNTECH 1030	Creating Technology-Enhanced Learning Environments	3
LRNTECH 4110/5110	Developing and Directing Online Learning	3
LRNTECH 4131/5131	Exploring Issues and Trends in Learning Technologies	3
LRNTECH 4138/5138	Understanding Visual Literacy	3
Total Hours		**14-15**

Literacy Education Minor -Teaching

Required:		
Literacy Education:		4
LITED 4140/5140	Assessment and Evaluation of Literacy	
LITED 4193/5193	Experience in Literacy: Field	
Course work chosen for appropriate endorsement		21
Total Hours		**25**

Reading K-8 Endorsement

Literacy Education:		
LITED 1044	Children's Literature	3
LITED 3115	Methods of Teaching Early Literacy	3
LITED 3116	Methods of Teaching Content Literacy in the Intermediate Grades	3
or LITED 4117/5117	Methods of Teaching Content Literacy at the Middle and Secondary Levels	
LITED 3119/5119	Language Development and Emergent Literacy	3
LITED 3121/5121	Children's Literature for Diversity and Social Justice	3
LITED 4147/5147	Advanced Literacy Practices	3
LITED 4192/5192	Experience in Literacy: Tutoring	3
Total Hours		**21**

Reading 5-12 Endorsement

Literacy Education:		
LITED 3119/5119	Language Development and Emergent Literacy	3
or TESOL 4510/5510	Language Development	
LITED 4117/5117	Methods of Teaching Content Literacy at the Middle and Secondary Levels	3
LITED 4147/5147	Advanced Literacy Practices	3
LITED 4192/5192	Experience in Literacy: Tutoring	3
Languages and Literatures/Linguistics:		
ENGLISH 2520	Multicultural Literature	3
or ENGLISH 2420	Survey of American Literature	
ENGLISH 4940/5940	Literature for Young Adults	3
ENGLISH 4920/5920	The Teaching of Writing	3
or TESOL 4120/5120	Introduction to Linguistics	
or TESOL 4110/5110	The Structure of English	
Total Hours		**21**

English/Language Arts K-8 Endorsement

Literacy Education:		
LITED 1044	Children's Literature	3
LITED 3115	Methods of Teaching Early Literacy	3
LITED 3116	Methods of Teaching Content Literacy in the Intermediate Grades	3
or LITED 4117/5117	Methods of Teaching Content Literacy at the Middle and Secondary Levels	
LITED 3119/5119	Language Development and Emergent Literacy	3
LITED 3121/5121	Children's Literature for Diversity and Social Justice	3
Languages and Literatures/Linguistics:		
ENGLISH 2520	Multicultural Literature	3
or ENGLISH 2420	Survey of American Literature	
or ENGLISH 4940/59	Literature for Young Adults	
Theatre:		
THEATRE 1050	Creative Drama	3
or ELEMECML 4123	Methods of Teaching Visual and Performing Arts Integration in the Elementary Classroom	
Total Hours		**21**

In order to declare the Literacy Education Minor, a student must have a cumulative and UNI GPA of 3.00 or higher. To continue in the minor, students must earn a grade of B- (2.67) or above in minor courses numbered LITED 3119/5119 Language Development and Emergent Literacy or above and maintain a cumulative and UNI GPA of 3.00 or higher.

Persons selecting this program are eligible for the State of Iowa Reading K-8, Reading 5-12, or English/Language Arts K-8 endorsement, depending on their choice of courses.

Social & Emotional Learning Minor

The Social & Emotional Learning Minor is composed of 20-23 credits of course work and 3 workshops which are embedded into the ELEMECML 3186 seminar. The goal of the minor program is to support elementary and secondary educators becoming leaders in their schools and communities in the area of Social & Emotional Learning (SEL). Early Childhood majors should work with a CATS advisor if interested in this minor. Students who complete this minor will have a deeper understanding of how to create safe spaces for all students, promote empathy, engage in and teach well-being practices, support student self-awareness, and facilitate shared decision-making.

Elementary Education Majors:

Required:		
ELEMECML 3120	Classroom Management K-8	3
ELEMECML 4123/5123	Methods of Teaching Visual and Performing Arts Integration in the Elementary Classroom	3
ELEMECML 4150	Elementary Curriculum	3
EDPSYCH 2030	Dynamics of Human Development	3
TEACHING 4170/5170	Human Relations: Awareness and Application	3
SPED 3150	Meeting the Needs of Diverse Learners in Classrooms	2
ELEMECML 3186: The Science & Practice of Well-Being: Mindfulness, Compassion, & Joy for Teachers		3
Elective (select one of the following):		3
PHIL 1020	Philosophy: The Art of Thinking	
SOC 1000	Introduction to Sociology	
FAM SERV 1010	Human Identity and Relationships	
EDPSYCH 4118/5118	Mental Health and Well-Being in the Classroom	
EDPSYCH 4157/5157	Interpersonal Forgiveness	
EDPSYCH 4232/5232	Risk and Resilience: Child, Family, School and Community Factors	
PSYCH 2203	Social Psychology *	
PHIL 3360	Intellectual Vices and Virtues: Theory and Practice	
SOC 2075	The Self in Social Context *	
SW 3143	Self-Care and Stress Management in Helping Professions	
SPED 4161/5161	Constructions of Behavior and Humanistic Supports *	
Total Hours		23

Secondary Education Majors:

Required:		
EDPSYCH 2030	Dynamics of Human Development	3
TEACHING 4170/5170	Human Relations: Awareness and Application	3

SPED 3150	Meeting the Needs of Diverse Learners in Classrooms	2
ELEMECML 3186: The Science & Practice of Well-Being: Mindfulness, Compassion, & Joy for Teachers		3
Electives (select three of the following):		9
PHIL 1020	Philosophy: The Art of Thinking	
SOC 1000	Introduction to Sociology	
FAM SERV 1010	Human Identity and Relationships	
EDPSYCH 4118/5118	Mental Health and Well-Being in the Classroom	
EDPSYCH 4157/5157	Interpersonal Forgiveness	
EDPSYCH 4232/5232	Risk and Resilience: Child, Family, School and Community Factors	
PSYCH 2203	Social Psychology *	
PHIL 3360	Intellectual Vices and Virtues: Theory and Practice	
SOC 2075	The Self in Social Context *	
SW 3143	Self-Care and Stress Management in Helping Professions	
SPED 4161/5161	Constructions of Behavior and Humanistic Supports *	
Total Hours		20

* The following courses have prerequisites:
PSYCH 2203 has a prerequisite of PSYCH 1001.
SOC 2075 has a prerequisite of SOC 1000 or SOC 1060.
SPED 4161/5161 has a prerequisite of SPED 3150 and a corequisite of SPED 4162/5162 and SPED 4163/5163 and a prerequisite or corequisite of SPED 4150/5150.

Social Studies Minor (K-8)-Teaching

This minor leads to endorsement #164: K-8 Social Studies.

Required:

Elementary, Early Childhood, and Middle Level Education:		3
ELEMECML 4143/5143	Applications/Content in Elementary Social Studies	
Completion of 21 hours in social studies to include course work from at least 3 of the following areas:		21
Psychology (PSYCH xxxx)		
Economics (ECON xxxx)		
American Government (POL AMER xxxx)		
History: (HIST xxxx) (HISUS xxxx) (HISEUA xxxx) (HISEUB xxxx) (HISNW xxxx)		
Geography (GEOG xxxx)		
Sociology (SOC xxxx) (CRIM xxxx)		
In addition to the course work in three areas above, courses may be taken from:		
Social Science (SOC SCI xxxx)		
Anthropology (ANTH xxxx)		
Total Hours		**24**

Master of Arts Degree Programs

Major in Learning Technologies and Instructional Design

This program is designed to prepare graduates for successful careers involving educational media, instructional design, teaching, and technology. The program begins with essential tools and foundations leading up to creative and hands-on opportunities that equip graduates to lead change and promote successful teaching and earning in the classroom, non-profit, or corporate setting.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Curriculum and Instruction for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on both the **thesis** and **non-thesis** options, and requires a **minimum of 33 semester hours for thesis and 30 semester hours for non-thesis. A minimum of 15 semester hours of 6000-level course work is required for the thesis option. A minimum of 12 semester hours of 6000-level course work is required for the non-thesis option.**

All students completing the **thesis** option are required to complete a comprehensive portfolio. A student completing the thesis option must include 6 hours of LRNTECH 6299 in the program of study.

All students completing the **non-thesis** option are required to complete the departmental graduate research requirement and prepare a comprehensive ePortfolio at the end of the student's program of study.

Required:

LRNTECH 4110/5110	Developing and Directing Online Learning	3
LRNTECH 4131/5131	Exploring Issues and Trends in Learning Technologies	3
LRNTECH 4153/5153	Developing Digital Learning Environments	3
MEASRES 6205	Educational Research	3
LRNTECH 6208	Enhancing Learning Through Action Research	3
LRNTECH 6215	Designing and Implementing Professional Development	3
LRNTECH 6237	Creating Change through Digital Leadership	3
LRNTECH 6240	Understanding Instructional Design	3
LRNTECH 6289	Seminar in Learning Technology	3

LRNTECH 6299	Research	3 or 6
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		
Total hours - non-thesis option		30
Total hours - thesis option		33

Major in School Library Studies

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Curriculum and Instruction for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. A **minimum of 36 semester hours** is required for the **thesis** option, and a **minimum of 33 semester hours** is required for the **non-thesis** option. **A minimum of 15 hours of 6000-level course work is required for the thesis option. A minimum of 12 hours of 6000-level course work is required for the non-thesis option.**

Students choosing the **thesis** option are required to write a thesis and pass an oral defense conducted by the thesis committee. Students choosing the **non-thesis** option are required to complete the departmental graduate research requirement. In lieu of a comprehensive examination, all students must complete a comprehensive portfolio, during their final semester of course work, that meets the requirements of the division faculty.

The program is open to students who hold or have completed coursework for teaching licensure. Students completing this major are eligible for endorsement #174 K-12 School Teacher Librarian endorsement if they hold or are eligible to hold a teaching license.

Required:

School Library Studies:		30
SLS 4114/5114	Introduction to the School Library Program	
SLS 4115/5115	Organization of Information	
SLS 4132/5132	Library Resources for Children	
SLS 4134/5134	Library Resources for Young Adults	
SLS 6223	School Library Curriculum Development	
SLS 6225	Leadership in the School Library Program	
SLS 6230	Technologies for Libraries	
SLS 6250	Information Resources for Inquiry Learning	
SLS 6290	Practicum	
SLS 6295	Research in Library and Information Science	
Research:		3 or 6
SLS 6299	Research	
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		
Thesis Option		36
Non-thesis Option		33

Licensure Preparation for Endorsement 108 K-8 School Teacher Librarian

Completion of the following courses leads to endorsement 108 K-8 School Teacher Librarian. The program is open to students who hold or have completed coursework for teaching licensure. Students completing the following set of courses are eligible for the K-8 School Teacher Librarian endorsement if they hold or are eligible to hold a teaching license. In order to be recommended through UNI, all courses must be on your UNI transcript.

Required:

School Library Studies:		
SLS 4114/5114	Introduction to the School Library Program	3
SLS 4115/5115	Organization of Information	3
SLS 4132/5132	Library Resources for Children	3
SLS 6223	School Library Curriculum Development	3
SLS 6225	Leadership in the School Library Program	3
SLS 6230	Technologies for Libraries	3
SLS 6250	Information Resources for Inquiry Learning	3
SLS 6290	Practicum	3
Total Hours		**24**

Licensure Preparation for Endorsement 109 5-12 School Teacher Librarian

Completion of the following courses leads to endorsement 109 5-12 School Teacher Librarian. The program is open to students who hold or have completed coursework for teaching licensure. Students completing the following set of courses are eligible for the 5-12 School Teacher Librarian endorsement if they hold or are eligible to hold a teaching license. In order to be recommended through UNI, all courses must be on your UNI transcript.

Required:

School Library Studies:		
SLS 4114/5114	Introduction to the School Library Program	3
SLS 4115/5115	Organization of Information	3
SLS 4134/5134	Library Resources for Young Adults	3
SLS 6223	School Library Curriculum Development	3
SLS 6225	Leadership in the School Library Program	3
SLS 6230	Technologies for Libraries	3
SLS 6250	Information Resources for Inquiry Learning	3

SLS 6290	Practicum	3
Total Hours		**24**

Master of Arts in Education Degree Programs

The Department of Curriculum and Instruction offers three Master of Arts in Education degree programs. The student must complete the professional core, required courses in the program, and electives, if any, for a specified number of semester hours in the program of study.

Major in Early Childhood Education

This program is designed to improve the students' competence in teaching young children and in providing leadership for program development and implementation.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Curriculum and Instruction for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The degree program in this major requires a **minimum of 30 semester hours for non-thesis option or a minimum of 33 semester hours for thesis option**.

Students completing the **thesis** option are required to pass an oral comprehensive examination prepared and administered by the thesis committee. The examination will be comprehensive in nature and will normally accompany the thesis defense. Students completing the thesis option must include 6 hours of ELEMECML 6299 Research on the program of study. Students completing the **non-thesis** option are required to complete:

1. The department graduate research requirement
2. A performance-based and/or standard-based measure demonstrating student competency upon completion of the program.

Required professional core:		
MEASRES 6205	Educational Research	3
EDPSYCH 6214	Foundations of Instructional Psychology	3
Curriculum and Instruction:		
ECE 6201	Issues and Trends in Early Childhood Curriculum	2
ELEMECML 6205	Technology in Early Childhood Education	2
ELEMECML 6210	Diversity in Early Childhood Education: Theory and Practice	3
LITED 6212	Methods and Materials in Literacy Education	3
ELEMECML 6214	Recent Research in Early Childhood Education	3
ELEMECML 6221	Analysis and Design of Curriculum for Young Children	2
ELEMECML 6236	Assessment in Early Childhood	2
ECE 6289	Seminar in Early Childhood Education (or 2-4 credits of approved electives)	2-4
Research:		3 or 6
ELEMECML 6299	Research	
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		
Total hours thesis option		33
Total hours non-thesis option		30

Major in Elementary Education

This program is designed to improve the student’s effectiveness as a classroom teacher, instructional leader, curriculum developer, and action researcher.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Curriculum and Instruction for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The degree program in this major requires a **minimum of 30 semester hours for non-thesis option or a minimum of 33 semester hours for thesis option**.

Students completing the **thesis** option are required to pass an oral comprehensive examination prepared and administered by the thesis committee. This comprehensive examination will normally accompany the thesis defense. Students on the thesis option must include 6 hours of ELEMECML 6299 Research on the program of study. Students completing the **non-thesis** option are required to complete the department graduate research requirement.

Required Professional Core:		
EDPSYCH 6214	Foundations of Instructional Psychology	3
MEASRES 6205	Educational Research	3
Curriculum and Instruction:		
LITED 6212	Methods and Materials in Literacy Education	3
ELEMECML 6201	Issues and Trends in Curriculum	3
ELEMECML 4141/5141	Integrated Activities in Elementary School STEM	3

ELEMECML 6242	Analysis and Improvement of Science Instruction in the Elementary School	3
ELEMECML 6243	Analysis and Improvement of Social Studies Instruction in the Elementary School	3
ELEMECML 6289	Seminar in Education	6
Research:		3 or 6
ELEMECML 6299	Research	
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		
Total hours (non-thesis option)		30
Total hours (thesis option)		33

Major in Literacy Education

This program is designed to develop and extend the expertise of educators in both leadership and classroom positions who wish to specialize in the area of literacy education. Students examine theories, programs and practices in the teaching of literacy, the evaluation of literacy development and the integration of literacy across curricular areas.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Curriculum and Instruction for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

In addition to the university requirements for admission to graduate study, admission to this program includes the following requirements:

1. Two recommendations from professional educators
2. Satisfactory completion of writing examination. Preference may be given to applications with academic background and/or professional experience in education.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The degree program in this major requires a **minimum of 30 semester hours for non-thesis option or a minimum or 33 semester hours for thesis option.**

Students completing the **thesis** option are required to pass an oral comprehensive examination prepared and administered by the thesis committee. This comprehensive examination will normally accompany the thesis defense. Students on the thesis option must include 6 hours of LITED 6299 Research on the program of study. Students completing the **non-thesis** option are required to complete

1. The department graduate research requirement
2. A performance-based and/or standard-based measure demonstrating student competency upon completion of the program.

Students that begin the Master's program with an Iowa reading endorsement (K-8 or 5-12), will need to complete the entire Master's program at UNI in order for UNI to make a recommendation for license with the Iowa Board of Educational Examiners for Reading Specialist K-12 endorsement.

Students who did not begin the Master's program with an Iowa reading endorsement (K-8 or 5-12), will need to include an additional six (6) hours of coursework at 5000-level (LITED 4147/5147 Advanced Literacy Practices and LITED 4192/5192 Experience in Literacy: Tutoring), in order to complete the Reading Specialist K-12 endorsement and have UNI make a recommendation for license with the Iowa Board of Educational Examiners. Students may include the additional six hours in their program of study for the M.A.E. Literacy Education, or students may complete the six hours of UNI coursework post M.A.E.

Required Professional Core:

EDPSYCH 6216	Advances in Educational Psychology: The Psychology of Literacy	3
MEASRES 6205	Educational Research	3
Literacy Education:		21
LITED 6212	Methods and Materials in Literacy Education	
LITED 6238	Advanced Assessment and Evaluation of Literacy Development	
LITED 6239	Advanced Literacy Curriculum Studies	
LITED 6240	Language Development and Variability	
LITED 6245	Ideological, Cultural, and Sociopolitical Issues in Children's Literature	
LITED 6260	Roles of the Reading Specialist	
LITED 6290	Practicum	
Literacy Education Research Requirement:		3 or 6
LITED 6299	Research	
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		
Total hours (non-thesis option)		30
Total hours (thesis option)		33

Doctor of Education Degree Program

The Doctor of Education Degree is one degree supervised through the College of Education. It can be completed with one of the following *Intensive Study Area* concentrations:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*
- *Educational Leadership*
- *Postsecondary Education: Student Affairs*

Students interested in the interdisciplinary Doctor of Education (Ed.D.) degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student

Center To-Do list. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

This program is intended to provide practicing educators, informal and nonformal settings, the opportunity to continue their study and earn the terminal professional degree in their field. The Ed.D. degree requires a **minimum of 48 semester hours of credit beyond the master's degree**. There are three components to the program:

Professional Common Core (work in educational foundations, fundamentals, and research)	24
Advanced Professional Study (in one of three areas of intensive study)	15
Dissertation	9
Total Hours	**48**

By design, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice.

Note: Students interested in special education within the Curriculum and Instruction ISA or the Educational Leadership ISA should consult the respective ISA descriptions for further information.

In some areas, it is possible to combine doctoral degree study with work toward an endorsement to perform a particular role in K-12 education.

Brief definitions of the four ISAs follows:

Allied Health, Recreation, and Community Services

This area of intensive study is designed to provide students with advanced planning, management, supervision and evaluation of programs in the community and its institutions. The combined areas of allied health, recreation and community services are diverse professional areas knitted together by a unified commitment to enhancing, enriching and sustaining the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, or practitioners in public and environmental health departments, recreation and tourism industry; allied health and social services agencies; the military, government, and non-governmental agencies; religious organizations; libraries and museums; and civic and professional associations. The program of study will be based upon students' needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Head of the Department of Health, Recreation and community Services.)

Curriculum and Instruction

This area of intensive study is designed to prepare scholar practitioners to plan, implement, evaluate, and supervise educational programs for children, from infancy through adolescence, and adult learners, inclusive of a wide variety of diversity. Faculty in this intensive study area come from many departments and disciplines including, but not limited to, prekindergarten through tertiary curriculum and pedagogy; foundations of education in psychology, philosophy, social sciences; disability studies in education, gifted and talented, and multicultural education; literacy education; instructional technology, school library studies; and P-12 content areas such as mathematics, physical education, science, social studies, and language arts. Students interested in becoming special education scholar-practitioners to plan, implement, evaluate, and supervise educational programs for children and adult learners with an emphasis on inclusion and diversity will apply for admission through the Curriculum and Instruction Intensive Study Area. For more information see www.uni.edu/coe/departments/curriculum-instruction/graduate-study/doctoral-study.

Educational Leadership

This area of intensive study in education administration prepares personnel for leadership positions in PK-12 schools, post-secondary institutions, and other educational services or settings. Typical positions held by educators with the terminal degree focused on educational leadership include: principals, superintendents, school district central office administrators, professors of educational leadership, special education directors at the Area Education Agency level or Department of Education administrators and consultants. Students interested in special education administration will apply for admission through Educational Psychology, Foundations, and Leadership Studies. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Postsecondary Education: Student Affairs

This area of intensive study in postsecondary education prepares personnel for leadership positions in colleges and universities. Typical positions held by educators with the terminal degree focused on postsecondary education include: department heads, directors, vice presidents, professors, and consultants. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following certificates, contact the Department of Curriculum and Instruction or the Office of the Registrar, which serves as the centralized registry.

Education of the Gifted Certificate

The Certificate in Education of the Gifted is a four-course sequence at the undergraduate or graduate level that satisfies the State of Iowa endorsement requirements in Education of the Gifted. These four courses are to be taken in a sequence, as they build upon each other. The entire sequence can be completed during one Fall and one Spring semester and are generally offered online. The first course is generally offered during the first 8 weeks of Fall semester; the second course is offered the second 8 weeks of Fall semester; the third course is offered the first 8 weeks of Spring semester; the final practicum course is offered during the entire Spring semester.

ELEMECML 4154/5154	The Gifted and Talented	3
ELEMECML 4156/5156	Educational Strategies for Gifted and Talented	3
ELEMECML 4157/5157	Coordinating Programs for the Gifted and Talented	3
ELEMECML 4158/5158	Practicum in Education of the Gifted	3
Total Hours		**12**

Learning Technologies Facilitator Certificate

This certificate is designed to provide educators/instructional designers the essentials in creating and using digital learning environments. Courses will equip students with skills to design, develop, and facilitate digital learning environments. Those earning the certificate will serve as instructional design leaders in their field.

No prerequisites required.

Required:		
Instructional Technology:		12
LRNTECH 4131/5131	Exploring Issues and Trends in Learning Technologies	
LRNTECH 4153/5153	Developing Digital Learning Environments	
LRNTECH 6215	Designing and Implementing Professional Development	
LRNTECH 6240	Understanding Instructional Design	

Advanced Studies Certificate: Literacy Coach

Partnerships in Comprehensive Literacy (PCL): Literacy Coach Preparation Program

Partnerships in Comprehensive Literacy (PCL) is a systemic school transformation model. The University of Northern Iowa's Jacobson Center for Comprehensive Literacy is one of seven national preparation sites for the PCL program. Partnerships in Comprehensive Literacy coaches provide professional development to teachers in schools that are implementing PCL.

The Partnerships in Comprehensive Literacy (PCL) Coach program is administered by the Jacobson Center for Comprehensive Literacy. The PCL program is intended for practicing educators whose school, district, or Area Education Agency apply for admission to the Jacobson Center's PCL program and who seek to be the Literacy Coach in their school, district, or Area Education Agency. Students take courses over the course of a full academic year, beginning with a summer course. The program includes 21 hours of UNI graduate-credit coursework. Courses include the following:

Summer (Summer Institute)		**3**
LITED 7310	Coaching in the Comprehensive Literacy Model	
Students attend a four-day institute at the Jacobson Center for Comprehensive Literacy in Cedar Falls and complete coursework online following the institute.		
OR		
LITED 7320	Coaching in the Comprehensive Intervention Model	
Students attend a four-day institute at the Jacobson Center for Comprehensive Literacy in Cedar Falls and complete coursework online following the institute.		
Fall:		
LITED 7304	Literacy Leadership I	3
LITED 7307	Theories of Reading and Writing Processes	3
ELEMECML 6201	Issues and Trends in Curriculum	3
Spring:		
LITED 7305	Literacy Leadership II	3
LITED 7306	Theories of Reading Difficulties	3
LITED 6260	Roles of the Reading Specialist	3
or LITED 7397	Practicum in Reading	
Total Hours		**21**

An abbreviated PCL Coach Certificate Program is proposed for previously trained Reading Recovery Teacher Leaders (Reading Recovery Teacher Leader preparation is an 18-hour graduate level program completed at one of 20 Reading Recovery Training Centers approved by the Reading Recovery of North American Trainers Group. A transcript review will be conducted for all Reading Recovery Teacher Leaders who did not complete their program at UNI.)

UNI-trained Reading Recovery Teacher Leaders, or Reading Recovery Teacher Leaders trained at another university training site and have a satisfactory transcript review, who wish to becom CIM Literacy Coaches will take courses over the course of a full academic year, beginning with a summer course. The program includes 6 hours of UNI graduate-credit coursework. Courses include the following:

Summer (Summer Institute):		
LITED 7320	Coaching in the Comprehensive Intervention Model	3
Students attend a four-day institute at the Jacobson Center for Comprehensive Literacy in Cedar Falls and complete coursework online following the institute.		
Spring:		
LITED 7397	Practicum in Reading	3
Total Hours		**6**

During the Fall and Spring semesters, PCL literacy coaches-in-preparation begin working on implementation of the PCL model in their schools, districts, or AEAs. This task is the central focus of the preparation program and is tightly integrated with all coursework. Literacy coaches make monthly visits to the UNI campus for classes that typically last two or three days. Additional coursework occurs via online formats, including eLearning, Polycom Telepresence, and Zoom.us. Jacobson Center faculty also conduct site visits to participants' schools, districts, or AEAs.

Coursework generally consists of readings that are directly related to the implementation of the PCL model; small-group discussion of the readings; observation of PCL model schools, classrooms, and meetings; planning for implementation; and reflection on implementation. These tasks are accomplished not only during the on-campus class meetings but also through online activities that occur outside of on-campus meetings. In their schools during the preparation year, coaches can expect to teach a small group of students, work intensely with model classroom teachers, conduct and facilitate professional development sessions of various types with their school faculty, and work with their principal to establish meeting routines as well as school-wide assessment and instructional systems. These tasks also comprise the bulk of the class assignments, in addition to compilation of a portfolio documenting students' completion of the tasks.

Admission requirements:

Literacy coach applicants must:

1. hold a master's degree in literacy education or other related field;
2. hold a valid teaching license;
3. be employed as literacy coach in their school, districut, or AEA or be under contract to be the literacy coach during the preparation year;
4. have a minimum of three years of teaching experience; and
5. meet UNI requirements for admission to graduate study.

Advanced Studies Certificate: Reading Recovery Teacher Leader

Reading Recovery Teacher Leader Preparation Program

Reading Recovery (RR) is a trademarked literacy intervention model with extensive research documenting its effectiveness. What Works Clearinghouse and the Response to Intervention Center (both of which are part of the USDE), have awarded Reading Recovery with the highest ratings. The Reading Recovery Center of Iowa, housed within the Jacobson Center for Comprehensive Literacy at the University of Northern Iowa, is one of only 20 RR University Training Centers approved by the RR North American Trainers Group.

The RR Teacher Leader (RRTL) program is intended for practicing educators whose school districts or Area Education Agencies (AEAs) apply for admission to the Reading Recovery Center of Iowa's RRTL program and who seek to be the RRTL in his/her school district or AEA. Students take courses over the course of a full academic year, beginning with the fall semester. The program includes 18 hours of UNI graduate-credit coursework. Courses include the following:

Fall:		
LITED 7302	Reading Recovery Teacher Leader Clinical I	3
LITED 7304	Literacy Leadership I	3
LITED 7307	Theories of Reading and Writing Processes	3
Spring:		
LITED 7303	Reading Recovery Teacher Leader Clinical II	3
LITED 7305	Literacy Leadership II	3
LITED 7306	Theories of Reading Difficulties	3
Total Hours		**18**

RRTLs attend classes on the UNI Campus or in the field. Additional coursework occurs via online formats, including UNI eLearning, Polycom Telepresence, and Zoom.us. A faculty member who is a RR Trainer or a Teacher Leader who is an instructor in the Jacobson Center also conducts site visits to participants' school districts or AEAs.

Coursework generally consists of readings that are directly related to the implementation of RR, small-group discussion of the readings, observation of RR lessons and RR teacher classes, planning for implementation, and reflection on implementation. These tasks are accomplished not only during the on-campus class meetings but also through online and field activities that occur outside of on-campus meetings. In their schools during the preparation year, RRTLs teach four RR students daily, and observe and practice leading RR teacher preparation classes.

Admission requirements:

RRTL applicants must:

1. hold a master's degree in literacy education or other related field;
2. hold a valid teaching license;
3. be employed as RRTL in their school district or AEA or be under contract to be the RRTL during the preparation year;
4. have a minimum of three years of teaching experience; and
5. meet UNI requirements for admission to graduate study.

Department of Earth and Environmental Sciences

(College of Humanities, Arts and Sciences)

www.earth.uni.edu

The Department of Earth and Environmental Sciences offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Earth and Environmental Sciences section in the following order:

Undergraduate Major (B.S.)

- Environmental Science (p. 195) (also listed in Department of Biology)

Undergraduate Majors (B.A.)

- Earth Science (p. 196)
- Earth Science-Teaching (p. 197)
- Environmental Resource Management (p. 197) (also listed in Department of Geography, Department of Biology, and Department of Health, Recreation and Community Services)
- Environmental Science (p. 201)

Minors

- Air Quality (p. 202)
- Astronomy (p. 202)
- Earth Science (p. 202)
- Earth Science-Teaching (p. 202)
- Environmental Assessment (p. 203)
- Environmental Earth Science (p. 203)
- Geology (p. 203)
- Hydrology (p. 203)

The Department of Earth and Environmental Sciences encompasses five curricular disciplines: astronomy, meteorology, geology, earth science education and environmental science.

Major programs are offered in two baccalaureate areas:

- Bachelor of Sciences
- Bachelor of Arts

The B.A. degree in Earth Science is designed as a broad liberal arts major that can build a strong foundation for a variety of career plans. It also provides supportive background and additional career options as a second major for students majoring in other disciplines such as mathematics, computer science, technology, anthropology, geography, biology, chemistry or related areas. The B.A. degree in Earth Science-Teaching is designed to prepare secondary Earth Science teachers. The B.A. degree in Environmental Science will provide students with the tools necessary to assess and evaluate environmental issues in various fields including air quality, hydrology and geoscience.

Bachelor of Sciences Degree Programs

Environmental Science Major

The B.S. Environmental Science program will include two curricular paths for students, one with a life science emphasis and the other with an earth science emphasis. The program will enable students to prepare for a graduate program in the environmental sciences or to directly enter industry in the public or private sector. All students will have a common core of courses providing a foundation in biology and geosciences, and will also be required to take part in a capstone research project.*

For students pursuing the B.S. Environmental Science major, the Department of Biology will waive BIOL 2052 as a prerequisite for BIOL 3000-level courses.

For students pursuing the B.S. Environmental Science major, the Department of Biology will waive BIOL 3140 as a prerequisite for BIOL 4000-level courses.

A student with a major in the interdisciplinary B.S. Environmental Science: Environmental Life Science Track may not also declare a major or minor in biology.

Required Core		
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science	3
CHEM 1110	General Chemistry I	4
CHEM 1120	General Chemistry II	4
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1300	Introduction to Geology	4
GEOG 2410	Geographic Information Systems I	3
MATH 1420	Calculus I	4
BIOL 3190	Undergraduate Research in Biology	3
or EARTHSCI 4400	Undergraduate Research in Earth and Environmental Science	
Choose one of the following tracks outlined below:		**33**
Environmental Life Sciences Track		
Environmental Earth Science Track		
Total Hours		**65**

Environmental Life Sciences Track		
Required:		7
BIOL 4157/5157	Biostatistics	
BIOL 4168/5168	Ecology	
Electives:		26
Pick courses from each of the three categories (A, B, & C) to accumulate to a minimum of 26 hours.		
Category A - Content Policy Related Courses (select a minimum of 2 courses)		
BIOL 4105/5105	Wildlife Ecology and Management	
BIOL 4108/5108	Biodiversity Conservation Policy	
BIOL 4167/5167	Conservation Biology	
BIOL 4180/5180	Restoration Ecology	
Category B - Content Biology Related Courses (select a minimum of 2 courses)		
BIOL 3112	Invertebrate Zoology	
BIOL 3120	Plant Diversity and Evolution	
BIOL 3151	General Microbiology	
BIOL 3170	Entomology	
BIOL 4164/5164	Mammalogy	
BIOL 4166/5166	Plant Systematics	
Category C - Cognates (select a minimum of 2 courses)		
CHEM 2040	Applied Organic and Biochemistry	
or CHEM 2210	Organic Chemistry I	
EARTHSCI 1320	Earth History	
EARTHSCI 3210/521	Meteorology	
EARTHSCI 3230/523	Air Quality	
EARTHSCI 3325/532	Sedimentary Geology	
EARTHSCI 3330/533	Geomorphology	
EARTHSCI 3340/534	Oceanography	
EARTHSCI 3345/534	Environmental Geology	
EARTHSCI 3350/535	Environmental Hydrology	
EARTHSCI 3355/535	Hydrogeology	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	

GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 3220	Environmental Geography: Variable Topic	
GEOG 3380	Remote Sensing of the Environment	
GEOG 3410	Geographic Information Systems II	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4240/5240	The Ice Age **	
MATH 1421	Calculus II	
Total Hours		**33**

Environmental Earth Science Track

Required:		13
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3230/523	Air Quality	
EARTHSCI 3345/534	Environmental Geology	
EARTHSCI 3350/535	Environmental Hydrology	
Electives:		20
Pick courses from each of the Categories (A & B) to accumulate a minimum of 20 hours		
Category A - Physical Environment Relate Courses (select a minimum of 4 courses)		
EARTHSCI 1320	Earth History	
EARTHSCI 3210/5210	Meteorology	
EARTHSCI 3240/524	Air Quality Modeling	
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality	
EARTHSCI 3322	Earth Materials	
EARTHSCI 3325/5325	Sedimentary Geology	
EARTHSCI 3327/532	Paleoclimatology	
EARTHSCI 3330/5330	Geomorphology	
EARTHSCI 3340/534	Oceanography	
EARTHSCI 3355/5355	Hydrogeology	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	
Category B - Cognates (select a minimum of 2 courses)		
BIOL 3112	Invertebrate Zoology	
BIOL 3120	Plant Diversity and Evolution	
BIOL 3170	Entomology	
BIOL 4105/5105	Wildlife Ecology and Management	
BIOL 4108/5108	Biodiversity Conservation Policy	
BIOL 4157/5157	Biostatistics	
BIOL 4164/5164	Mammalogy	
BIOL 4166/5166	Plant Systematics	
BIOL 4167/5167	Conservation Biology	
BIOL 4168/5168	Ecology	
BIOL 4180/5180	Restoration Ecology	
CHEM 2040	Applied Organic and Biochemistry	
or CHEM 2210	Organic Chemistry I	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 3220	Environmental Geography: Variable Topic **	
GEOG 3380	Remote Sensing of the Environment	
GEOG 3410	Geographic Information Systems II	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4240/5240	The Ice Age **	
MATH 1421	Calculus II	
Total Hours		**33**

* Students must receive a grade of C- (1.67) or higher in courses that are applied to their major. Prior to enrollment in a course, all prerequisites must be completed with a C- (1.67) or higher.

** These courses have additional prerequisites as follows:
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
GEOG 4240/5240 has prerequisite of GEOG 1210; GEOG 2210; EARTHSCI 1300.

Bachelor of Arts Degree Programs

Earth Science Major

The Earth Science major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Earth Science:		
EARTHSCI 1100	Astronomy	3
EARTHSCI 1110	Astronomy Laboratory	1
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1300	Introduction to Geology	4
EARTHSCI 1320	Earth History	4
Experiential Learning Requirement (2 hours from the following):		2
EARTHSCI 3410/5410	Field Studies in _____	
EARTHSCI 3430	Internship	
EARTHSCI 4400	Undergraduate Research in Earth and Environmental Science	
Or an experience approved by the department		
Mathematics:		4
MATH 1140	Precalculus	
or MATH 1420	Calculus I	

Electives in Earth Science (3000/4000 EARTHSCI courses must include at least one course from each of astronomy, geology, and meteorology)		16
Cognates - choose one of the following two options:		**5 or 8**
Option 1 Chemistry (5 hours)		
CHEM 1130	General Chemistry I-II	
OR		
Option 2 Chemistry/Physics (8 hours)		
CHEM 1110	General Chemistry I	
and one of the following:		
CHEM 1120	General Chemistry II	
PHYSICS 1511	General Physics I	
PHYSICS 1701	Physics I for Science and Engineering	
Option 1 total hours 42		
Option 2 total hours 45		
Total Hours		**42-45**

Earth Science Major-Teaching

The Earth Science-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major leads to endorsement #153: 5-12 Earth Science.

Required

Science and Science Education:		
SCI ED 3300/5300	Orientation to Science Teaching	4
TEACHING 3129	Secondary and Special-Area Classroom Management	1
SCI ED 4800/5800	Methods for Teaching Secondary Science or MTSS	3
Chemistry and Biochemistry:		
CHEM 1110	General Chemistry I	4
Earth Science:		
EARTHSCI 1100	Astronomy	3
EARTHSCI 1110	Astronomy Laboratory	1
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1210	Elements of Weather Laboratory	1
EARTHSCI 1300	Introduction to Geology	4
EARTHSCI 1320	Earth History	4
EARTHSCI 3210/5210	Meteorology	4
Physics:		
PHYSICS 1511	General Physics I	4
Electives in earth science: 3000/4000-level courses *		**14**
Total Hours		**50**

* Excluding the following Courses: EARTHSCI 3186/4186/5186 "Studies in", EARTHSCI 3420/5420, EARTHSCI 3430, EARTHSCI 4198 "Independent Study".

Environmental Resource Management Major

The Environmental Resource Management major is aimed at students searching for career options in the broadly-defined 'outdoor environment' that are related to natural resources, environmental systems, and sustainable development. This program will prepare students for careers in the environmental and human management of public and private spaces across differing categories of environmental systems - from public parks and lands to conservancy units managed by governmental and other non-profit agencies and organizations. This program aims to serve those students who do not wish to pursue careers as environmental scientists *per se* from more tightly focused 'environmental science' programs.

- *STUDENTS ARE REQUIRED TO TAKE THE CORE REQUIREMENTS (31 HOURS) AND MAY CHOOSE ONLY ONE OF THE FOUR SPECIALIZATION TRACKS (30-32 HOURS).*
- *Each track is composed of clusters of courses with a specific concentration, each of which has a separate hourly requirement.*
- *For purposes of this degree program, those prerequisite courses required by BIOL, EARTHSCI, GEOG, and RTNL for mid/upper-level courses in each Track THAT ARE NOT INCLUDED IN THE CORE REQUIREMENTS will normally be waived by the appropriate departments.*
- *The separate tracks allow students to specialize in the area of most general interest while the primary & secondary foci within each track make sure students also are exposed to a wide range of important auxiliary coursework.*
- *A student with a major in the interdisciplinary B.A. Environmental Resource Management: Ecosystems Track may not declare another major or minor in biology.*
- *By permission of the Provost's Office, students enrolled in the B.A. Environmental Resource Management major will be considered majors in all four of the participating departments.*

Core Requirements

BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science *	3
CHEM 1110	General Chemistry I	4
EARTHSCI 1300	Introduction to Geology	4
or		
GEOG 1210 & GEOG 1211	Planet Earth and Planet Earth Laboratory	
EARTHSCI 3330/5330	Geomorphology	4
GEOG 2260	Environmental Resource Management	3
GEOG 2410	Geographic Information Systems I	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
HIST 4170/5170	U.S. Environmental History	3
Total Hours		**31**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive the BIOL 2052 and CHEM 1120 prerequisites for enrollment into BIOL 3100.

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Department of Geography)

- Sustainability (Interdisciplinary)

- Outdoor Recreation (Department of Health, Recreation and Community Services)

- Tourism (Department of Health, Recreation and Community Services)

- Nonprofit Management Certificate (Department of Health, Recreation and Community Services)

- Environmental Health Certificate (Department of Health, Recreation and Community Services)

- Public History (Department of History)

Ecosystems Track

A total of 32 hours are needed for this track. There are 12 hours of required courses. In addition, student select courses from all three elective categories (A, B, & C) to accumulate to a minimum of 20 hours. At least one course must be taken from each elective category.

Required		
BIOL 4168/5168	Ecology **	4
CHEM 1120	General Chemistry II §	4
MATH 1140	Precalculus	3-4
or STAT 1772	Introduction to Statistical Methods	
Electives:		**20**
Category A - Content Management Related Courses (pick at least 1 course)		
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4108/5108	Biodiversity Conservation Policy **	
BIOL 4167/5167	Conservation Biology **	
BIOL 4180/5180	Restoration Ecology **	
Category B - Content Related Courses (pick at least 1 course)		
BIOL 3112	Invertebrate Zoology *	
BIOL 3118	Marine Biology *	
BIOL 3160	Field Zoology of Vertebrates *	
BIOL 3170	Entomology *	
BIOL 4157/5157	Biostatistics **	
BIOL 4164/5164	Mammalogy **	
BIOL 4166/5166	Plant Systematics **	
BIOL 4172/5172	Developmental Plant Anatomy **	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 3410	Geographic Information Systems II	
Category C - Cognates (pick at least 1 course)		
EARTHSCI 1200	Elements of Weather	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2240	Natural Hazards and Disasters	
GEOG 2270	Science of Scenery	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 343	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
GEOG 3220	Environmental Geography: Variable Topic ^	
GEOG 3380	Remote Sensing of the Environment	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4240/5240	The Ice Age ^	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
MGMT 3183	Leadership Skills ^	
MGMT 3185	Project Management ^	
RTNL 2120	Foundations of Tourism	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL/HIST 4556	History of Outdoor Recreation	
Total Hours		**31-32**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 and CHEM 1120 for BIOL 3000-level courses.

** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 as a prerequisite for BIOL 4000-level courses.

§ Students pursuing the Ecosystems track can take CHEM 1110 and CHEM 1120 (8 credits) OR CHEM 1130 (5 credits). CHEM 1130 is designed for students with exceptional preparation in Chemistry. Taking CHEM 1130 changes the total degree requirement from 62-63 credit hours to 59-60 credit hours.

^ These courses have additional prerequisites as follows:
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.

GEOG 4240/5240 has prerequisites of GEOG 1210; GEOG 2210; EARTHSCI 1300; or consent of instructor; junior standing.
MGMT 3183 has a prerequisite of MGMT 3965/5965.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4320 has prerequisites of three (3) credit hours of RTNL 31XX; junior standing. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive the prerequisites of 3 hours of RTNL 31XX.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Geosystems Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Electives

Primary Focus - Content Related Courses		**21**
EARTHSCI 1200	Elements of Weather	
EARTHSCI 3350/535	Environmental Hydrology ^	
EARTHSCI 3322	Earth Materials ^	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2240	Natural Hazards and Disasters	
GEOG 3220	Environmental Geography: Variable Topic * ^	
or		
EARTHSCI 3345/534	Environmental Geology ***	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 3380	Remote Sensing of the Environment	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
Secondary Focus - Management Cognates		**9**
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4180/5180	Restoration Ecology **	
EARTHSCI 3325/532	Sedimentary Geology ****	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	
ECON 3225/5225	Environmental Economics ^	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^	
GEOG 4170/5170	Climate Action Planning	
GEOG 4240/5240	The Ice Age *	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic) ^	
GEOG 3410	Geographic Information Systems II	
RTNL 2120	Foundations of Tourism	
RTNL/HIST 4556	History of Outdoor Recreation	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
MGMT 3185	Project Management ^	
POL AMER 3172	Public Budgeting ^	
BIOL 3179	Cooperative Education ^	
or GEOG 3179	Cooperative Education in Geography	
or EARTHSCI 3430	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**30**

* * For students pursuing the Geosystems Track, the Geography Department will accept GEOG 1210 and GEOG 1211 or EARTHSCI 1300 as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 and GEOG 3410.

** ** The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4105/5105 and BIOL 4180/5180.

*** *** The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as substitutes for courses that require EARTHSCI 1300.

**** **** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 for EARTHSCI 3325/5325.

The Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for RTNL 4776/5776.

^ ^ These courses have additional prerequisites as follows:
EARTHSCI 3322 has a prerequisite of EARTHSCI 1300.
EARTHSCI 3350/5350 has prerequisites of EARTHSCI 1300; junior standing.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
ECON 3225/5225 has prerequisites of ECON 1041, ECON 1051; junior standing.
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
GEOG 4310/5310 has prerequisites of GEOG 2410; junior standing.

GEOG 3410 has prerequisites of GEOG 2410 or consent of instructor; junior standing.
POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Resource Administration Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Primary Focus - Content Related Courses		**21**
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 4170/5170	Climate Action Planning	
GEOG 2240	Natural Hazards and Disasters	
PH 3720/5720	Environmental and Occupational Health Regulations	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 3337	Human Resource Development for Recreation, Tourism and Nonprofit Leadership	
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
RTNL/HIST 4556	History of Outdoor Recreation	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
Secondary Focus - Cognates		**9**
BIOL 4167/5167	Conservation Biology **	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 3410	Geographic Information Systems II	
GEOG 3380	Remote Sensing of the Environment	
ENGLISH 4775/5775	Applied Writing: Specialized Documents ^	
or ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	
PH 3710/5710	Environmental Health Science	
RTNL 2120	Foundations of Tourism	
RTNL 4552/5552	Theory and Practice of Outdoor Education	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4779/5779	Community Planning Workshop	
MGMT 3185	Project Management ^	
POL AMER 3172	Public Budgeting ^	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 3430	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**30**

* * The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4167/5167.

** ** The Geography Department and the Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for enrollment into RTNL 4310/5310.

^ ^ These courses have additional prerequisites as follows:
RTNL 4776/5776 has prerequisites of RTNL 2120 or consent of instructor; junior standing.
ENGLISH 4775/5775 has prerequisites of MGMT 2080 or ENGLISH 2770 or consent of instructor; junior standing.
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Environmental Compliance Track

A total of 32 hours need for this focus area, with 15 hours of required courses, a minimum of 10 hours from the Primary Focus group and 7 hours from the Secondary Focus group.

Required		
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3

ECON 3225/5225	Environmental Economics	3
PH 3720/5720	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3
Primary Focus - Content Related Courses		**10**
EARTHSCI 1200	Elements of Weather	
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3230/523	Air Quality ^	
EARTHSCI 3345/5345	Environmental Geology *	
or		
GEOG 3220	Environmental Geography: Variable Topic	
EARTHSCI 3350/535	Environmental Hydrology *	
Secondary Focus - Cognates		**7**
EARTHSCI 3240/524	Air Quality Modeling ^	
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality ** ^	
EARTHSCI 3325/532	Sedimentary Geology ***	
EARTHSCI 3355/5355	Hydrogeology *	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 3380	Remote Sensing of the Environment	
PH 3710/5710	Environmental Health Science	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
MGMT 3153	Organizational Management *	
MGMT 3185	Project Management ^	
POL AMER 1048	Current and Emerging Issues in Public Administration	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 343	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**32**

* * The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as a substitute for courses that require EARTHSCI 1300.

** ** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 as a prerequisite for enrollment into EARTHSCI 3250/5250.

*** *** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 for EARTHSCI 3325/5325.

^ ^ These courses have additional prerequisites as follows:
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
EARTHSCI 3240/5240 has prerequisites of EARTHSCI 1200; junior standing.
EARTHSCI 3250/5250 has prerequisites of EARTHSCI 1200; junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Environmental Science Major

The Environmental Science major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Environmental Science major is intended as a hands-on program with all students having a common curricular core centered on Geology and Meteorology, as well as Geography, Biology, Environmental Policies, Mathematics, and Chemistry. Following the common core courses students take supporting courses in areas of professional interest – Air Quality, Geoscience, or Hydrology. Each has a range of courses that provide students with experience in evaluating and responding to environmental issues. Please contact the Earth and Environmental Sciences Office for a list of current supporting courses.

Required

BIOL 2051	General Biology: Organismal Diversity	4
CHEM 1110	General Chemistry I	4
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1300	Introduction to Geology	4
EARTHSCI 3230/5230	Air Quality	4
EARTHSCI 3345/5345	Environmental Geology	3
EARTHSCI 3350/5350	Environmental Hydrology	3
EARTHSCI 3430	Internship	2
or EARTHSCI 4400	Undergraduate Research in Earth and Environmental Science	
GEOG 2410	Geographic Information Systems I	3
PH 3710/5710	Environmental Health Science	3
or PH 3720/5720	Environmental and Occupational Health Regulations	
MATH 1140	Precalculus	4
or MATH 1420	Calculus I	
STAT 1772	Introduction to Statistical Methods	3
Electives:		22

Primary Focus - At least 15 hours from the following:

EARTHSCI 1320	Earth History	
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3210/521	Meteorology	
EARTHSCI 3240/5240	Air Quality Modeling	
EARTHSCI 3250/525	Measurement and Analysis of Air Quality	
EARTHSCI 3322	Earth Materials	
EARTHSCI 3323	Geochemistry of the Land	
EARTHSCI 3325/532	Sedimentary Geology *	
EARTHSCI 3327/532	Paleoclimatology *	
EARTHSCI 3330/5330	Geomorphology	
EARTHSCI 3336	Natural Resources and Civilizations	
EARTHSCI 3340/5340	Oceanography	
EARTHSCI 3355/535	Hydrogeology	
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology	
EARTHSCI 3365/536	Hydrology Seminar	
EARTHSCI 3370	Geologic Field Methods	
Secondary Focus - At least 7 hours from the following:		
CHEM 1120	General Chemistry II	
ECON 3225/5225	Environmental Economics *	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 2260	Environmental Resource Management	
GEOG 3410	Geographic Information Systems II	
GEOG 3380	Remote Sensing of the Environment	
PH 3740/5740	Environmental Health, Field Methods, Technology, and Laboratory Applications	
PHIL 2550	Environmental Ethics	
PHYSICS 1511	General Physics I	
Other courses approved by the Department		
Total Hours		**62**

* ECON 3225/5225 has prerequisites of ECON 1041; ECON 1051; junior standing.
EARTHSCI 3325/5325 has a prerequisite or corequisite of EARTHSCI 1320 and prerequsite junior standing.
EARTHSCI 3327/5327 has prerequisites of EARTHSCI 1300 OR GEOG 1210; EARTHSCI 1320 or consent of instructor; junior standing.

Minors

Air Quality Minor

The Air Quality Minor prepares students for careers in governmental regulation of air quality, industrial compliance with the Clean Air Act, and private sector environmental consulting.

Required:		
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 3210/5210	Meteorology	4
EARTHSCI 3230/5230	Air Quality	4
EARTHSCI 3240/5240	Air Quality Modeling	4
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality	4
Electives: 8 hours from the following		8
CHEM 1110	General Chemistry I	
CHEM 1120	General Chemistry II	
CHEM 1130	General Chemistry I-II	
EARTHSCI 3220/5220	Weather Analysis and Forecasting	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2410	Geographic Information Systems I	
Total Hours		**27**

Astronomy Minor

Required:		
EARTHSCI 1100	Astronomy	3
EARTHSCI 3135	Stars, Galaxies and the Universe	3
EARTHSCI 4150/5150	Astrophysics	3
MATH 1420	Calculus I	4
MATH 1421	Calculus II	4
PHYSICS 1701	Physics I for Science and Engineering	4
PHYSICS 1702	Physics II for Science and Engineering	4
Total Hours		**25**

Earth Science Minor

Required	
Courses in Earth Science	20
Total Hours	**20**

Earth Science Minor-Teaching

This minor leads to endorsement #153: 5-12 Earth science. Students also need to complete a secondary education major, including student teaching.

Required		
Chemistry and Biochemistry:		
CHEM 1110	General Chemistry I	4
Earth Science:		
EARTHSCI 1100	Astronomy	3
EARTHSCI 1110	Astronomy Laboratory	1
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1210	Elements of Weather Laboratory	1
EARTHSCI 1300	Introduction to Geology	4
EARTHSCI 1320	Earth History	4

Physics:		
PHYSICS 1511	General Physics I	4
Total Hours		**24**

Also required: a teaching major or minor in biology, chemistry, physics, or science.

Completion of this minor will satisfy the requirements of the Iowa Department of Education for Earth Science approval (effective October 1, 1988) only if the student has completed 30 semester hours in the broad area of science.

Environmental Assessment Minor

Students in the Environmental Science BA, Environmental Resource Management-Compliance track BA, and the Environmental Science: Earth Science Emphasis BS may not declare this minor.

Required:		
CHEM 1110	General Chemistry I	4
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1300	Introduction to Geology	4
Electives (11 hours from the following):		11
BIOL 3151	General Microbiology *	
EARTHSCI 3230/523	Air Quality	
EARTHSCI 3240/524	Air Quality Modeling	
EARTHSCI 3250/525	Measurement and Analysis of Air Quality	
EARTHSCI 3323	Geochemistry of the Land	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	
EARTHSCI 3370	Geologic Field Methods	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 3380	Remote Sensing of the Environment	
PH 3740/5740	Environmental Health, Field Methods, Technology, and Laboratory Applications	
Total Hours		**22**

* BIOL 3151 has prerequisites of BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130.

Environmental Earth Science Minor

Required:		
BIOL 2051	General Biology: Organismal Diversity	4
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1300	Introduction to Geology	4
EARTHSCI 1400	Introduction to Environmental Earth Science	3
EARTHSCI 3230/5230	Air Quality	4
EARTHSCI 3345/5345	Environmental Geology	3
EARTHSCI 3350/5350	Environmental Hydrology	3
GEOG 2410	Geographic Information Systems I	3
Electives: choose one of the following		3
ECON 3225/5225	Environmental Economics *	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 3380	Remote Sensing of the Environment	
PH 3710/5710	Environmental Health Science	
Total Hours		**30**

* ECON 3225/5225 has prerequisites of ECON 1041 and ECON 1051.

Geology Minor

Required:		
EARTHSCI 1300	Introduction to Geology	4
EARTHSCI 1320	Earth History	4
EARTHSCI 3322	Earth Materials	4
EARTHSCI 3325/5325	Sedimentary Geology	4
EARTHSCI 3330/5330	Geomorphology	4
EARTHSCI 3355/5355	Hydrogeology	3
Electives: choose one of the following:		3
EARTHSCI 3327/5327	Paleoclimatology	
EARTHSCI 3340/534	Oceanography	
Total Hours		**26**

Hydrology Minor

Required:		
EARTHSCI 1300	Introduction to Geology	4
EARTHSCI 1320	Earth History	4
EARTHSCI 3350/5350	Environmental Hydrology	3
EARTHSCI 3355/5355	Hydrogeology	3
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology	3
EARTHSCI 3365/5365	Hydrology Seminar	2
Electives - 7 hours from the following:		7
CHEM 1110	General Chemistry I	
EARTHSCI 3210/521	Meteorology *	
EARTHSCI 3325/532	Sedimentary Geology	
EARTHSCI 3330/533	Geomorphology	
GEOG 2410	Geographic Information Systems I	
GEOG 4220/5220	Soils and Landscapes	
GEOG 3380	Remote Sensing of the Environment	
Total Hours		**26**

* EARTHSCI 3210/5210 has a prerequisite of EARTHSCI 1200.

Department of Economics

(College of Business)

https://business.uni.edu/economics

The Department of Economics offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Economics section in the following order:

Undergraduate Major (B.A.)

- Economics (p. 204)

Minor

- Economics-Liberal Arts (p. 206)

Program Certificates

- Health Care Administration for Business Majors (p. 206) (also listed in College of Business and Department of Health, Recreation and Community Services)
- Health Care Administration for Non-Business Majors (p. 207) (also listed in College of Business and Department of Health, Recreation and Community Services)

1. A student must complete ECON 1041, ECON 1051, ECON 2112, and ECON 2122 with at least a C- in each course whether taken at UNI or an institution from which transfer credit for these courses is accepted; must earn a 2.20 cumulative grade point average at UNI; must earn an overall 2.20 grade point average in ACCT xxxx, MKTG xxxx, MGMT xxxx, FIN xxxx, and ECON xxxx courses taken at UNI.
2. ECON 1011 counts toward an Economics major **only** in the Business Economics and Applied Economic Analysis emphases and does not count toward the minor.
3. ECON 2090 counts toward an Economics major **only** in the Business Economics emphasis and does not count toward the minor.
4. ECON 1031 does not count toward the Economics major or minor.
5. ECON 1041 and ECON 1051 are minimum prerequisites for all 2000/3000/4000-level courses, except ECON 2090, ECON 2140, ECON 3125, and ECON 3371.
6. It is recommended that ECON 2112 and ECON 2122 be taken before other advanced courses in Economics.
7. Not more than one emphasis may be declared in economics.

The Economics Department may impose additional admission requirements for students wishing to declare a minor or a second College of Business major. Eligibility to declare a minor or a second College of Business major is based on competitive GPA and space availability. For more information on these policies, check with your advisor in UNI Business Advising in CBB 5.

Bachelor of Arts Degree Programs

Economics Major

The Economics major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Economics:		
ECON 1041	Principles of Macroeconomics *	3
ECON 1051	Principles of Microeconomics	3
ECON 2112	Intermediate Microeconomic Theory	3
ECON 2122	Intermediate Macroeconomic Theory	3
ECON 3373/5373	Introduction to Econometrics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods *	3
Emphasis requirements (students choose only one area of emphasis)		21-42
Total Hours		**39-60**

* Course will also satisfy the Quantitative Reasoning requirement in the UNIFI/General education program.

Emphases:

1. **General Economics**

Required

Economics:		
ECON 1011	Statistics for Business Analytics	3
Select one of the following.		3
ENGLISH 1005	College Writing and Research	
PHIL 1050	The Art of Critical Thinking and Writing	
UNIV 1010	First-Year Cornerstone: Integrated Communication II	
Economics Electives:		
Electives: 1000/2000/3000/4000-level economics courses (except ECON 1011, ECON 1031, and ECON 2090)		12
Select one of the following		3
Accounting:		
ACCT 2120	Principles of Financial Accounting	
Economics:		
any 1000/2000/3000/4000-level economics course (except ECON 1011, ECON 1031, and ECON 2090)		
Geography:		
GEOG 3110	Economic Geography	
Management:		
MGMT 2080	Introduction to Information Systems	
MGMT 3100	Legal and Social Environment of Business	
MGMT 3101	Business Law	

Marketing:		
MKTG 2110	Principles of Marketing	
Political Science:		
POL AMER 1048	Current and Emerging Issues in Public Administration	
POL AMER 2147	Law, Politics, and Society	
POL INTL 3119	Politics of the Global Economy	
POL INTL 3125	Politics of International Development	
Total Hours		**21**

2. **Quantitative Techniques**

Required		
Mathematics:		
MATH 1420	Calculus I	4
MATH 1421	Calculus II	4
MATH 2422	Calculus III	4
MATH 2500	Linear Algebra for Applications	3
MATH 2900	Discrete and Argumentative Mathematics	3
MATH 3751	Probability and Statistics	3
Economics Electives:		
Electives: 1000/2000/3000/4000-level economics courses (except ECON 1011, ECON 1031, ECON 2090, and ECON 3077)		12
Select two of the following		6-7
Accounting		
ACCT 2120	Principles of Financial Accounting	
Computer Science:		
CS 1510	Introduction to Computing	
Economics:		
any 1000/2000/3000/4000-level economics course (except ECON 1011, ECON 1031, and ECON 2090)		
English Literature and Language		
ENGLISH 1005	College Writing and Research	
Finance		
FIN 3130/5130	Corporate Finance	
Management		
MGMT 2080	Introduction to Information Systems	
Marketing		
MKTG 2110	Principles of Marketing	
Philosophy:		
PHIL 1030	Elementary Logic	
PHIL 1050	The Art of Critical Thinking and Writing	
Total Hours		**39-40**

3. **Business Economics** (42 hours)

Students who select this emphasis must satisfy the College of Business admission requirements before they can officially declare their major. For more information on these policies, check with your advisor in UNI Business Advising in CBB 5. Prior to completion of the admission requirements, students may sign an intent to major in Economics/Business Economics and be classified as a prospective (pre)major. Pre-Economics/Business Economics majors may enroll in lower division (below 2000-level) business courses only. Enrollment in upper division (3000/4000-level) business courses and MKTG 2110 requires satisfactory completion of the College of Business admission requirements and any course prerequisites.

Economics/Business Economics majors *may* declare a double major, and/or major and minor within the College of Business, subject to the regulations of those College of Business departments affected. Economics/Business Economics majors minoring within the College of Business must select minors designated for business majors.

Required business core		
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 2090	Decision Analytics	3
ECON 1011	Statistics for Business Analytics	3
Economics Electives:		**9**
Electives: 1000/2000/3000/4000-level economics courses (except ECON 1011, ECON 1031, and ECON 2090)		
Total Hours		**42**

4. **Applied Economic Analysis**

REQUIRES COMPLETION OF A MATHEMATICS MAJOR, ANY EMPHASIS

Required		
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Management:		
MGMT 2080	Introduction to Information Systems	3
Finance:		
FIN 3130/5130	Corporate Finance	3

FIN 3160/5160	Principles of Investments	3
Select one of the following:		3
FIN 3050	Risk Management and Insurance	
FIN 3065/5065	Fixed Income Analysis	
FIN 3135	Intermediate Financial Management	
Economics Electives:		
Electives: 1000/2000/3000/4000-level economics courses (except ECON 1011, ECON 1031, and ECON 2090)		6
Total Hours		**21**

Minors

Economics Minor-Liberal Arts

Required		
ECON 1041	Principles of Macroeconomics *	3
ECON 1051	Principles of Microeconomics	3
ECON 2112	Intermediate Microeconomic Theory **	3
or ECON 2122	Intermediate Macroeconomic Theory	
Electives: 1000/2000/3000/4000-level economics courses. May include the other Intermediate course. ECON 1011, ECON 1031, and ECON 2090 do not count towards the Minor.		9
Total Hours		**18**

* Course will also satisfy the Quantitative Reasoning requirement in the UNIFI General education program.

** It is recommended that either ECON 2112 or ECON 2122 be taken before taking other advanced courses in economics.

Available to all UNI majors, except Economics majors.

Note: ECON 1041 and ECON 1051 are prerequisites for all 2000/3000/4000-level economics courses except for ECON 1001, ECON 2140, ECON 3125, and ECON 3371.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Economics or the Office of the Registrar, which serves as the centralized registry.

Certificate in Health Care Administration for Business Majors

The interdisciplinary Health Care Administration certificate for Business Majors includes courses which develop basic business skills for students desiring business careers in health care. Both nonprofit and for-profit health institutions such as clinics, hospitals, insurance companies, medical offices, and long-term care facilities require employees with business skills. Business professionals manage employees, manage finances, raise funds, reduce and manage risk, work with or for insurance companies, and seek ways to provide effective and cost-efficient care. Requires completion of any business major.

Required:		
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Economics:		
ECON 2140	Health Economics	3
Public Health and Education:		
PH 1101	Introduction to Public Health	3
or CAP 3160	Community and Public Health	
PH 3640/5640	Worksite Health Promotion	3
Electives (one of the following):		3
ECON 1001	Economics of Social Issues *	
ECON 2112	Intermediate Microeconomic Theory	
ECON 3217/5217	Economics of Labor Markets	
ECON 3371	Economic and Business Forecasting	
POL AMER 1048	Current and Emerging Issues in Public Administration	
Electives (two of the following):		6
Anthropology:		
ANTH 3102/5102	Culture, Disease, and Healing **	
Capstone courses:		
CAP 3173/ RELS 3510/PHIL 3510	Bio-Medical Ethics	
CAP 3194/ RELS 3110/PHIL 3110	Perspectives on Death and Dying	
Criminology:		
CRIM 3369	Drugs and Society **	
Family Services:		
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias	
Finance:		
FIN 3050	Risk Management and Insurance	
Gerontology:		
GERO/FAM SERV 2111	Families and End of Life Issues	
GERO 4170/5170	Long Term Care Administration	
Philosophy:		
PHIL/RELS 3110	Perspectives on Death and Dying	
Psychology:		
PSYCH 3303/5303	Health Psychology **	

Public Health and Education:		
PH 2630	Aging and Health	
PH 2620	Stress and Coping	
PH 3320/5320	Global Service Mission	
PH 2530	Introduction to Women's Health	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
PH 3720/5720	Environmental and Occupational Health Regulations	
Sociology:		
SOC 3035/5035	Social Gerontology **	
SOC 3086/5086	Medical Sociology **	
Total Hours		**21**

* Course can be used to satisfy the Responsibility requirement in the UNIFI/General Education program.

** The following courses have additional prerequisites:
ANTH 3102/5102 has prerequisite of SOC 1000 or ANTH 1002. SOC 1000 can be used to satisfy the Human Condition - Domestic requirement in the UNIFI/General Education program. ANTH 1002 can be used to satisfy the Human Condition - Global requirement in the UNIFI/General Education program.
CRIM 3369 has prerequisite of SOC 1000 or SOC 1060; CRIM 2025. SOC 1000 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
PSYCH 3303/5303 has prerequisite of PSYCH 1001. PSYCH 1001 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
SOC 3035/5035 and SOC 3086/5086 have prerequisite of SOC 1000 or SOC 1060. SOC 1000 and SOC 1060 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

Certificate in Health Care Administration for Non-Business Majors

The interdisciplinary Health Care Administration certificate for Non-Business majors includes courses which develop basic business skills for students desiring business careers in health care. Both nonprofit and for-profit health institutions such as clinics, hospitals, insurance companies, medical offices, and long-term care facilities require employees with business skills. Business professionals manage employees, manage finances, raise funds, reduce and manage risk, work with or for insurance companies, and seek ways to provide effective and cost-efficient care.

Required:

Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Economics:		
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
ECON 2140	Health Economics	3
Public Health and Education:		
PH 1101	Introduction to Public Health	3
or CAP 3160	Community and Public Health	
PH 3640/5640	Worksite Health Promotion	3
Elective(s) from the following (select one if major or minor requires no economics; select two if major or minor requires economics):		3-6
Anthropology:		
ANTH 3102/5102	Culture, Disease, and Healing *	
Capstone courses:		
CAP 3173/ RELS 3510/PHIL 3510	Bio-Medical Ethics	
CAP 3194/ RELS 3110/PHIL 3110	Perspectives on Death and Dying	
Criminology:		
CRIM 3369	Drugs and Society *	
Family Services:		
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias	
Finance:		
FIN 3050	Risk Management and Insurance	
Gerontology:		
GERO/FAM SERV 2111	Families and End of Life Issues	
GERO 4170/5170	Long Term Care Administration	
Philosophy:		
PHIL/RELS 3110	Perspectives on Death and Dying	
Political Science:		
POL AMER 1048	Current and Emerging Issues in Public Administration	
Psychology:		
PSYCH 3303/5303	Health Psychology *	
Public Health and Education:		
PH 2630	Aging and Health	
PH 2620	Stress and Coping	
PH 3320/5320	Global Service Mission	
PH 2530	Introduction to Women's Health	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
PH 3720/5720	Environmental and Occupational Health Regulations	
Sociology:		
SOC 3035/5035	Social Gerontology *	

SOC 3086/5086	Medical Sociology *	
Total Hours		**18-21**

* The following courses have additional prerequisites:
ANTH 3102/5102 has prerequisite of SOC 1000 or ANTH 1002. SOC 1000 or ANTH 1002 can be used to satisfy UNIFI/General Education requirements.
CRIM 3369 has prerequisite of SOC 1000 or SOC 1060; CRIM 2025. SOC 1000 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
PSYCH 3303/5303 has prerequisite of PSYCH 1001. PSYCH 1001 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
SOC 3035/5035 and SOC 3086/5086 have prerequisite of SOC 1000 or SOC 1060. SOC 1000 or SOC 1060 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

Department of Educational Psychology, Foundations, and Leadership Studies

(College of Education)

coe.uni.edu/epfls

The Department of Educational Psychology, Foundations, and Leadership Studies offers the following minor, graduate programs, and program certificates. Specific requirements for the minor, graduate programs and program certificates are listed within this Department of Educational Psychology, Foundations, and Leadership Studies section in the following order:

Minor

- Educational Studies (p. 208)

Graduate Major (M.A.)

- Postsecondary Education: Student Affairs (p. 209)
- Teacher Leadership for International Educators (p. 210)

Graduate Major (M.A.E.)

- Educational Psychology: Context and Techniques of Assessment (p. 210)
- Principalship (p. 211)

Graduate Major (Ed.S.)

- Specialist in Education: School Psychology (p. 212)

Graduate Major (Ed.D.)

- Doctor of Education: Educational Leadership intensive study area (p. 212)
- Doctor of Education: Postsecondary Education: Student Affairs intensive study area (p. 212)

(p. 212)(for all requirements for Doctor of Education see website www.uni.edu/catalog/collegeofeducation)

Program Certificates

- Advanced Studies Certificate in Educational Leadership (p. 213)
  - Emphasis: Principalship (p. 213)
  - Emphasis: Superintendency Preparation (p. 213)
- Schooling & the Future of Education (p. 214)

Minor Programs

Educational Studies Minor

The Educational Studies minor is intended for students who are interested in the intersection of learning, education and society. The minor is appropriate for non-teacher education majors who want to enhance their understanding of educational policy; for students who plan careers in fields where they might deal with issues related to educational institutions; and for students interested in a broad introduction to educational issues they have confronted as students as well as those they will confront as citizens and parents. The Educational Studies minor can be a valuable program addition for students pursuing careers in the social and behavioral sciences, law, social justice, or youth services.

Coursework from multiple academic departments within the College of Education, College of Social and Behavioral Sciences, and the College of Humanities, Arts and Sciences provide opportunities for students to study the learning process, the organization of schooling, its links to broader political and historical contexts, and the potential of educational systems to bring about social change. Curriculum requirements consist of one core course and a minimum of twelve credit hours of electives from the courses listed below.

The Educational Studies minor is administered through the Department of Educational Psychology, Foundations, and Leadership Studies and is under the supervision of the Educational Studies Advisory Committee. Students may petition the Educational Studies Advisory Committee to add a relevant course not currently listed. For more information, contact the Department of Educational Psychology, Foundations, and Leadership Studies office, **Schindler Education Center 525**, 319-273-2694, or the department web site https://coe.uni.edu/epfls/majors-minors-certificates/educational-studies-minor.

I. Required		
Please select at least one of the following (if course is selected as a required course, it may not be chosen as an elective course from below)		3
EDPSYCH 2030	Dynamics of Human Development	
SOCFOUND 3119	Schools and American Society	
II. Electives		**12**
Choose four courses from the following list of courses with at least one course from: Category A and one Course from either Category B or C.		
Category A: Psychological/Development Perspectives		
CSD 1000	Understanding Communication Disorders	

CSD 3100	Language Acquisition in Children: Birth to 5 Years	
CSD 3200/5200	Language of School-aged Children	
EDPSYCH 2030	Dynamics of Human Development	
EDPSYCH 4118/5118	Mental Health and Well-Being in the Classroom	
EDPSYCH 4140/5140	Social Psychology in Educational Contexts	
THEATRE 3100/ CAP 3106	Theatre in Education	
Category B: Sociological/Historical/Philosophical Perspectives		
CAP 3190	Idea of the University	
EDPSYCH 4232/5232	Risk and Resilience: Child, Family, School and Community Factors	
POSTSEC 3000	Exploring the Student Affairs Profession	
SOC 3045/5045	Social Inequality *	
SOCFOUND 3119	Schools and American Society	
SOCFOUND 4134/5134	History of Education	
PHIL 3360	Intellectual Vices and Virtues: Theory and Practice	
SOCFOUND 4234/5234	Philosophy of Education	
Category C: Political/Economic/Policy Perspectives		
SOCFOUND 3219	Critical Perspectives on Technology and Education	
SOCFOUND 3319	Education and the Value Gap	
SOCFOUND 3419	Special Topics in Cultural Studies of Education	
POL AMER 2131	American State Politics	
POL AMER 3132	Community Politics	
EDLEAD 4319	Political and Ethical Issues in Education	
EDPSYCH 4188/5188	Current Approaches to Multicultural Education	
POL AMER 4176/5176	Topics in Public Policy	
SPED 4180/5180	Interdisciplinary Study of Disability	
TESOL 4720/5720	Bilingualism and Bilingual Education *	
RELS 2600	Religion and the Public Schools	
Total hours		15
III. Practicum and Research Experience - (OPTIONAL, up to 6 hrs.)		
EDPSYCH 4180/5180	Community Service: Academic Skills Achievement Center	
EDPSYCH 4198	Independent Study	

* The following courses have prerequisites: SOC 3045/5045 has a prerequisite of SOC 1000 or SOC 1060. TESOL 4720/5720 has a prerequisite or corequisite of TESOL 4120/5120 or TESOL 4110/5110.

Master of Arts Degree Program

Major in Postsecondary Education: Student Affairs

This major is designed to prepare an individual for a career in the administration of student affairs programs in college and university settings.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Educational Psychology, Foundations, and Leadership Studies for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application. (Also www.uni.edu/coe/departments/educational-leadership-postsecondary-education).

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. The **thesis** option requires a **minimum of 43 semester hours,** and the **non-thesis** option requires a **minimum of 37 semester hours. A minimum of thirty-two (32) hours of 6000-level course work is required for the thesis option. A minimum of thirty (30) hours of 6000-level course work is required for the non-thesis option.**

Students will be required to complete and present a portfolio for the exit requirement.

POSTSEC 6220	Leading and Advising	3
POSTSEC 6265	Organizational and Personal Foundations for Student Affairs	3
POSTSEC 6264	Values, Philosophies and History of Student Affairs	3
POSTSEC 6268	Social Justice and Inclusion	3
POSTSEC 6270	College Student Development	3
POSTSEC 6271	Portfolio Development	1
POSTSEC 6274	Higher Education Law	3
POSTSEC 6273	Research and Assessment	3
POSTSEC 6275	Professional Helping in College Student Affairs	3
POSTSEC 6289	Seminar in Postsecondary Education	3
Electives may include, but are not limited to, the following:		9
POSTSEC 6250	Teaching in College	
POSTSEC 6256	The Two-Year College	
POSTSEC 6285	Readings in Postsecondary Education	

POSTSEC 6291	Internship in Postsecondary Education (This course may be repeated for maximum of 12 hrs.)	
POSTSEC 7372	College Effects on Students	
Educational Psychology:		
EDPSYCH 6214	Foundations of Instructional Psychology	
EDPSYCH 6235	Theories of Human Development	
Measurement and Research:		
MEASRES 6205	Educational Research	
Communication and Media:		
COMM 4344/5344	Intercultural Communication	
COMM 4346/5346	Gender Issues in Communication	
Counseling:		
COUN 4105/5105	Counseling Skills	
COUN 6225	Facilitating Career Development	
COUN 6256	Multicultural Counseling	
Research:		
POSTSEC 6299	Research	
Total hours for non-thesis option (may include 3 hrs. of POSTSEC 6299 as an elective choice)		37
Thesis Option add		
POSTSEC 6299	Research	6
Total Hours thesis option		43

* **Note:** Upon advisement, some students may substitute course work for internship. A license to teach is not required for this major.

Major in Teacher Leadership for International Educators

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Educational Psychology, Foundations, and Leadership Studies for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application. (Also http://www.uni.edu/coe/departments/educational-leadership-postsecondary-education).

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **non-thesis** option only. A **minimum of 30 hours** is required on the non-thesis option. **A minimum of 22 hours of 6000-level course work is required for the non-thesis option.** Students must be currently teaching in an international school to be eligible for this program.

Successful completion of a final oral portfolio defense, as well as an extensive action research project is required prior to graduation. This program is offered to cohort groups of 15-20 students through synchronous and asynchronous instruction. New cohort groups start each year at the beginning of the spring semester.

Required

Measurement and Research:		
MEASRES 6205	Educational Research	3
TESOL/Applied Linguistics:		
TESOL 6286 Studies in Multilcultural Contexts		3
Additional educational leadership courses:		
EDLEAD 6212	Teacher Leadership in International Schools	3
EDLEAD 6240	Technology for School Leaders	2
EDLEAD 6248	Leading Instruction in Schools	3
EDLEAD 6249	Leading Learning, Teaching, and Curriculum	3
EDLEAD 6260	Power, Politics & Ethics for International Educators	3
EDLEAD 6282	Leading School Growth and Improvement	2
EDLEAD 6284	Evaluator Approval for Improved Student Learning	3
EDLEAD 6291	Internship (must be taken for 2 hours)	2
EDLEAD 6206	Orientation to Educational Leadership Standards	2
EDLEAD 6292	Capstone to Educational Leadership	1
Total Hours		**30**

Master of Arts in Education Degree Program

Major in Educational Psychology: Context and Techniques of Assessment

This major is designed for students planning further graduate studies in educational or school psychology.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Educational Psychology, Foundations, and Leadership Studies for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is** required for admission to the program.

Only graduate courses (course number 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. **A minimum of 35 semester hours** is required for the **thesis** option

and **a minimum of 32 semester hours** for the **non-thesis** option. **A minimum of 15 hours 6000-level course work is required for the thesis option. A minimum of 12 hours 6000-level course work is required for the non-thesis option.**

Required professional core		
Educational Psychology:		
EDPSYCH 6215	Advances in Educational Psychology: The Science of Learning	3
Measurement and Research:		
MEASRES 6205	Educational Research	3
Professional Studies		**3 or 6**
Thesis Option (6 hours)		
EDPSYCH 6299	Research	
Non-Thesis Option (3 hours)		
EDPSYCH 6285	Readings	
EDPSYCH 6288	M.A.E. Practicum in Education and Psychology	
EDPSYCH 6299	Research	
Context and Techniques of Assessment:		
Educational Psychology:		
EDPSYCH 4176/5176	Learning and Behavioral Problems in Education	3
or SPED 4180/5180	Interdisciplinary Study of Disability	
EDPSYCH 6240	Introduction to School Psychology	3
EDPSYCH 6280	Psychological Consultation in Schools	3
Measurement and Research:		
MEASRES 6281	Statistics and Measurement	3
MEASRES 6282	Individual Intellectual Assessment	4
MEASRES 6283	Academic Assessment and Intervention	4
Literacy Education:		
LITED 6238	Advanced Assessment and Evaluation of Literacy Development	3
Total hours for non-thesis option		32
Total hours for thesis option		35

Major in Principalship

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Educational Psychology, Foundations, and Leadership Studies for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application. (Also http://www.uni.edu/coe/departments/educational-leadership-postsecondary-education).

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. A **minimum of 41 semester hours** is required on the thesis option; a **minimum of 35 hours** is required on the non-thesis option. **A minimum of 32 hours of 6000-level course work, including 6 hours of** EDLEAD 6299**, is required for the thesis option. A minimum of 32 hours of 6000-level course work is required for the non-thesis option.**

Successful completion of a final oral comprehensive examination is required for the thesis option. The student must complete the usual degree and licensure/endorsement requirements and must complete a minimum of one year of successful teaching appropriate to the major prior to graduation. For endorsement the student must have three years of teaching experience at either the elementary or secondary level. This program is offered to cohort groups of 20-25 students on and off campus through the Web, and in face-to-face instructional sessions. New cohort groups start each year at the beginning of the fall semester.

Required program courses		
Special Education:		
SPED 6260	Special Education Law and Policy	3
Measurement and Research:		
MEASRES 6205	Educational Research	3
Additional educational leadership courses		
Educational Leadership:		
EDLEAD 6248	Leading Instruction in Schools	3
EDLEAD 6206	Orientation to Educational Leadership Standards	2
EDLEAD 6232	School Governance, Law and Intersystems Relations	3
EDLEAD 6245	Leadership for Effective Schools	3
EDLEAD 6247	School Management for Student Learning	3
EDLEAD 6249	Leading Learning, Teaching, and Curriculum	3
EDLEAD 6282	Leading School Growth and Improvement	2
EDLEAD 6284	Evaluator Approval for Improved Student Learning	3
EDLEAD 6289	Seminar in Educational Leadership	2
EDLEAD 6225	Activities Administration	2
or EDLEAD 6235	Community Connections	
EDLEAD 6291	Internship	2
EDLEAD 6292	Capstone to Educational Leadership	1
Total hours non-thesis option		**35**

Thesis Option add		
EDLEAD 6299	Research	6
Total Hours thesis option		**41**

Specialist in Education Degree Program

The major in School Psychology at the University of Northern Iowa leading to the Specialist in Education Degree involves breadth of preparation as well as depth in a particular field of specialization.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Educational Psychology, Foundations, and Leadership Studies for other application requirements and detailed information on the School Psychology major. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application**.** For requirements concerning admission, program approval, candidacy, scholarship, residence, examinations, thesis, and graduation for the Specialist in Education Degree see the "Graduate Information" section of this University Catalog.

Only graduate courses (course number 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Course work requirements for the Specialist in Education Degree are defined in terms of a three-year graduate program, including internship and work taken on the master's degree. A **minimum of 68 semester hours** beyond the bachelor's degree is required for completing the program.

The School Psychology major is open to students who hold a master's degree from an accredited graduate school, and who meet the requirements set forth below.

Major in School Psychology

Admission to the Ed.S. program in School Psychology requires EITHER:

1. Admission to the Ed.S. program in School Psychology requires an earned, accredited master's degree and a prior graduate preparation equivalent to UNI's M.A.E. in Educational Psychology with an emphasis in Context and Techniques of Assessment; OR

2. Concurrent enrollment in UNI's M.A.E. in Educational Psychology with an emphasis in Context and Techniques of Assessment degree program along with approval from the program faculty to enroll in both programs concurrently.

The Graduate Record Examination (General Test) **is** required for admission to the program.

Students with deficiencies will be notified prior to admission. Any deficiencies in the student's background will be *added* to the student's Ed.S. program requirements.

This major is available on the **thesis** option and **non-thesis** option.

For the thesis option, a **minimum of 39 semester hours** is required. For the non-thesis option, a **minimum of 36 semester hours** is required. **A minimum of 15 hours of 6000-level course work is required for either option.** Successful completion of a final oral and written examination is required.

Required		
Educational Psychology:		
EDPSYCH 4232/5232	Risk and Resilience: Child, Family, School and Community Factors	3
EDPSYCH 6270	Behavioral Interventions in School Settings	3
EDPSYCH 6272	Systems Consultation	3
Measurement and Research:		
MEASRES 6284	Psychosocial Assessment	4
MEASRES 6287	Early Childhood Assessment and Intervention	3
Professional Studies:		
EDPSYCH 6290	Ed.S. Practicum in Education and Psychology	5
EDPSYCH 6291	Internship in School Psychology	6
Special Education:		
SPED 6260	Special Education Law and Policy	3
Counseling & Behavior Modification		
EDPSYCH 6260	Counseling Interventions in School	3
Thesis Option		
EDPSYCH 6299	Research	6
Non-Thesis Option		
MEASRES 6270	Educational Program Evaluation	3
Total Hours		36-39

Doctor of Education Degree Program

The Doctor of Education Degree is one degree supervised through the College of Education. It can be completed with one of the following *Intensive Study Area* concentrations:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*
- *Educational Leadership*
- *Postsecondary Education: Student Affairs*

Students interested in the interdisciplinary Doctor of Education (Ed.D.) degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

This program is intended to provide practicing educators, informal and nonformal settings, the opportunity to continue their study and earn the terminal professional degree in their field. The Ed.D. degree requires a **minimum of 48 semester hours of credit beyond the master's degree**. There are three components to the program:

Professional Common Core (work in educational foundations, fundamentals, and research)	24
Advanced Professional Study (in one of three areas of intensive study)	15

Dissertation	9
Total Hours	**48**

By design, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice.

Note: Students interested in special education within the Curriculum and Instruction ISA or the Educational Leadership ISA should consult the respective ISA descriptions for further information.

In some areas, it is possible to combine doctoral degree study with work toward an endorsement to perform a particular role in K-12 education.

Brief definitions of the four ISAs follows:

Allied Health, Recreation, and Community Services

This area of intensive study is designed to provide students with advanced planning, management, supervision and evaluation of programs in the community and its institutions. The combined areas of allied health, recreation and community services are diverse professional areas knitted together by a unified commitment to enhancing, enriching and sustaining the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, or practitioners in public and environmental health departments, recreation and tourism industry; allied health and social services agencies; the military, government, and non-governmental agencies; religious organizations; libraries and museums; and civic and professional associations. The program of study will be based upon students' needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Head of the Department of Health, Recreation and community Services.)

Curriculum and Instruction

This area of intensive study is designed to prepare scholar practitioners to plan, implement, evaluate, and supervise educational programs for children, from infancy through adolescence, and adult learners, inclusive of a wide variety of diversity. Faculty in this intensive study area come from many departments and disciplines including, but not limited to, prekindergarten through tertiary curriculum and pedagogy; foundations of education in psychology, philosophy, social sciences; disability studies in education, gifted and talented, and multicultural education; literacy education; instructional technology, school library studies; and P-12 content areas such as mathematics, physical education, science, social studies, and language arts. Students interested in becoming special education scholar-practitioners to plan, implement, evaluate, and supervise educational programs for children and adult learners with an emphasis on inclusion and diversity will apply for admission through the Curriculum and Instruction Intensive Study Area. For more information see www.uni.edu/coe/departments/curriculum-instruction/graduate-study/doctoral-study.

Educational Leadership

This area of intensive study in education administration prepares personnel for leadership positions in PK-12 schools, post-secondary institutions, and other educational services or settings. Typical positions held by educators with the terminal degree focused on educational leadership include: principals, superintendents, school district central office administrators, professors of educational leadership, special education directors at the Area Education Agency level or Department of Education administrators and consultants. Students interested in special education administration will apply for admission through Educational Psychology, Foundations, and Leadership Studies. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Postsecondary Education: Student Affairs

This area of intensive study in postsecondary education prepares personnel for leadership positions in colleges and universities. Typical positions held by educators with the terminal degree focused on postsecondary education include: department heads, directors, vice presidents, professors, and consultants. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates contact the Department of Educational Leadership and Postsecondary Education or the Office of the Registrar, which serves as the centralized registry.

Advanced Studies Certificate in Educational Leadership

Emphasis: Principalship

This is a post-master's program consisting of a minimum of 35 semester hours leading to the issuance of an Advanced Studies Certificate in Educational Leadership. The purpose of this program is to allow the student to broaden and sharpen their skills in competency areas. This is solely for the purpose of gaining endorsement in the Principalship.

The program will consist of a minimum of 35 semester hours in graduate studies in the area of educational leadership and/or related studies.

Required

Measurement and Research:		
MEASRES 6205	Educational Research	3
Special Education:		
SPED 6260	Special Education Law and Policy	3
Educational Leadership:		
EDLEAD 6248	Leading Instruction in Schools	3

EDLEAD 6206	Orientation to Educational Leadership Standards	2
EDLEAD 6232	School Governance, Law and Intersystems Relations	3
EDLEAD 6245	Leadership for Effective Schools	3
EDLEAD 6247	School Management for Student Learning	3
EDLEAD 6249	Leading Learning, Teaching, and Curriculum	3
EDLEAD 6282	Leading School Growth and Improvement	2
EDLEAD 6284	Evaluator Approval for Improved Student Learning	3
EDLEAD 6289	Seminar in Educational Leadership	2
EDLEAD 6225	Activities Administration	2
or EDLEAD 6235	Community Connections	
Educational Leadership Internship:		
EDLEAD 6291	Internship	2
EDLEAD 6292	Capstone to Educational Leadership	1
Total Hours		**35**

Emphasis: Superintendency Preparation Program

The superintendent preparation program consists of 33 hours which includes a four hour Seminar in Educational Leadership delivered in three separate segments (2 credit hours, 1 credit hour, 1 credit hour); six 3-credit hour courses, one 2-credit hour course, and 9 credit hours of internship requiring 450 contact hours in multiple school districts.

Required		
Educational Leadership:		
EDLEAD 7310	Human Resource Administration	3
EDLEAD 7311	Educational Leadership and Systems Change	3
EDLEAD 7315	Leading Teaching, Learning and Assessment	3
EDLEAD 7318	Evaluation of Administrators	2
EDLEAD 7319	Power, Politics, and Ethics in School District Leadership	3
EDLEAD 7340	Funding the Educational Program for Improved Student Achievement	3
EDLEAD 7346	School Business Management	3
Educational Leadership seminar:		
EDLEAD 7389	Seminar in Educational Leadership *	4
Educational Leadership work toward development of internship plan:		
EDLEAD 7391	Internship in Educational Leadership	1
Educational Leadership internship:		
EDLEAD 7391	Internship in Educational Leadership	8
Total Hours		**33**

* 2 credit hours (four Saturdays); 1 credit hour (2 days each summer).

Internship

The nine credit hours of internship is designed to "provide opportunities for candidates to identify and experience the complexities of the superintendency in a structured, accountable manner."

To ensure that candidates have a range of experiences and "the program provides opportunities for candidates to identify and experience the complexities of the superintendency in a structured, accountable manner," each course in the Superintendent Preparation Program will have a knowledge module (what the superintendent should know) and a field performance module (what the superintendent should be able to do).

The internship requires a minimum of 450 hours. The field performance module (course assigned internship activities) requirements are expected to total between 210 and 280 hours. In addition to the course assigned internship activities, the candidate's Internship Plan will be guided by experience needs of the candidate in the areas of Leader of Learners, Leader of Service, and Leader of Change.

The Internship requires a meaningful long-term (substantial) clinical experience within a district. This extended experience combines with the performance module (course assigned) internship activities to form the candidate's Internship Plan.

Each candidate will have a lead mentor, approved by the Educational Leadership faculty, who will guide the candidate throughout the internship experience. Even though some clinical experiences may take place in another district or districts, the lead mentor will serve as a sounding board while providing coaching and support. In addition to the lead mentor, each candidate will have at least one other mentor (mentor with special expertise), approved by the faculty, to ensure diversity of school size, diversity of thought, diversity of expertise, and diversity of experiences. While a candidate may use a mentor from their district of employment who meets the Mentor Selection Criteria, the candidate must also have an approved mentor (lead mentor or mentor with special expertise) outside the district of employment.

Assessment

A performance-based program requires evidence that Iowa Standards for School Leaders (ISSL) and 16 superintendent leadership exit proficiencies are met. Standards and proficiencies must be demonstrated through work products that clearly show skill development and an expansive knowledge base.

Certificate in Schooling & the Future of Education

The Schooling and the Future of Education certificate requires a nine (9) credit hour program designed to provide future educators the opportunity to examine and explore the recent, dynamic societal changes of the 21st century as educational problems. Students will investigate contemporary controversies, challenges,

and issues surrounding P 12 education and will be given the opportunity to re-imagine the purpose and practices of schooling by applying interpretive, normative, and critical perspectives from the interdisciplinary field of Social Foundations of Education. This certificate is designed for students in Early Childhood Education, Elementary Education, and Secondary Education. The purpose of this certificate is to help future teachers think deeply and critically about contemporary educational problems through the lens of Social Foundations to support them in becoming advocates for inclusion, equity, and social justice in 21st century schools and communities.

Required:		
SOCFOUND 3219	Critical Perspectives on Technology and Education	3
SOCFOUND 3319	Education and the Value Gap	3
SOCFOUND 3419	Special Topics in Cultural Studies of Education	3
Total Hours		**9**

Department of Family, Aging & Counseling

(College of Social and Behavioral Sciences)

The Department of Family, Aging & Counseling offers the following programs:

Undergraduate Majors (B.A.)

- Family Services (p. 215)
- Gerontology (p. 216)
  - Long Term Care
  - Social Sciences
- Interior Design (p. 217)
- Textile and Apparel (p. 217)

Minors

- Family Studies (p. 217)
- Gerontology (p. 218)
- Textile and Apparel (p. 218)

Graduate Major (M.A.)

- Counseling (p. 218)
  - Clinical Mental Health Counseling
  - School Counseling

Program Certificates

- Advanced Studies Certificate in Clinical Mental Health Counseling (p. 219)

Bachelor of Arts Degree Programs

Family Services Major

The Family Services major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required		
Family Studies:		
FAM SERV 1020	Family Relationships	3
FAM SERV 1030	Research Methods in Family Science	3
OR 3 hours social science research methods (or other courses as approved by department):		
PSYCH 3002	Research Methods	
SW 3185	Social Work Research	
COMM COR 2020	Communication Research Methods	
COMM 4021/5021	Quantitative Research Methods	
SOC 2010	Research Methods	
FAM SERV 1055	Human Growth and Development *	3
or another developmental course or PSYCH 2202		
FAM SERV 1057	Human Relationships and Sexuality	3
FAM SERV 1140	Exploring Family Diversity in America	3
FAM SERV 2060	Strategies and Issues in Family Services	3
FAM SERV 4190	Professional Practice in Family Services	3
FAM SERV 4178	Family Life Education	3
ELECTIVES CHOOSE 2 FROM EACH GROUP		
Group 1: Family Studies		6
FAM SERV 2054	Interpersonal Relationship Dynamics	
FAM SERV 2111	Families and End of Life Issues	
FAM SERV 3150/515	Families and Aging	
FAM SERV 3162/516	Issues in Family Policy	
FAM SERV 3176/517	Consumer Behavior Across the Lifespan	
POL AMER 4142/514	Problems in Juvenile and Family Law	
Group 2: Family Skills		6
FAM SERV 2077	Management of Family Resources	
FAM SERV 3145/514	Violence in Intimate Relationships	
FAM SERV 3155/515	Parenting	
FAM SERV 3160/516	Family Assessment and Intervention	
FAM SERV 3161/516	Families, Alzheimer's and Related Dementias	
FAM SERV 4157/515	Human Sexuality Education	
Senior Experience (Choose Option A or B)		**6**
Option A		
FAM SERV 4195	Internship in Family Services	

Option B:		
Additional 6 credits from Groups 1 & 2		
Total Hours		**42**

* These courses have additional prerequisites as follows: FAM SERV 1055 has a prerequisite of PSYCH 1001 or consent of instructor. PSYCH 2202 has a prerequisite of PSYCH 1001.

** FAM SERV 4195 has prerequisite of FAM SERV 4190.

Students must have a 2.40 GPA in order to register for FAM SERV 4195 Internship in Family Services. Students must achieve a minimum of C- (1.67 grade point) in all courses required for the major, including all prerequisites.

Gerontology Major

The Gerontology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. UNIFI/General Education courses included in major program requirements are distinguished by *italics.*

It is suggested students take *PSYCH 1001* , *SW 1041* , and *SOC 1000* as their Human Condition Domestic and Global area of UNIFI/ General Education, as these are prerequisites for several of the required courses in this major.

This interdisciplinary program is offered jointly by the College of Social and Behavioral Sciences, the College of Business, the College of Education, and the College of Humanities, Arts and Sciences. It is administered through the Department of Family, Aging & Counseling and under the supervision of the Gerontology Advisory Committee.

Social Sciences Track

Required - all of the following:

FAM SERV 1020	Family Relationships	3
FAM SERV 3150/5150	Families and Aging	3
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias	3
GERO 4195	Internship in Gerontology	3
PH 2630	Aging and Health	3
PSYCH 1001	Introduction to Psychology	3
PSYCH 3204/5204	Psychology of Aging	3
SOC 1000	Introduction to Sociology	3
SOC 3035/5035	Social Gerontology	3
Research Methods Course - choose one course from the following:		**3-4**
FAM SERV 1030	Research Methods in Family Science	
or PSYCH 3002	Research Methods	
or SOC 2010	Research Methods	
or RTNL 4330/533	Research and Evaluation in Recreation, Tourism and Nonprofit Leadership	
Development Course - choose one course from the following:		**3**
FAM SERV 1055	Human Growth and Development	
or PSYCH 2202	Developmental Psychology	
Gerontology Electives - choose two courses from the following:		**6**
COMM 4116/5116	Health Communication	
CSD 1000	Understanding Communication Disorders	
FAM SERV 3162/516	Issues in Family Policy	
GERO 4170/5170	Long Term Care Administration	
PH 3660/5660	Public Health Theory	
RELS 3510/ CAP 3173	Bio-Medical Ethics	
FAM SERV 2111	Families and End of Life Issues	
PHIL 3110	Perspectives on Death and Dying	
FAM SERV 2060	Strategies and Issues in Family Services	
FAM SERV 4190	Professional Practice in Family Services	
Total Hours		**39-40**

Long Term Care Administration Track

Required - all of the following:

ACCT 2120	Principles of Financial Accounting	3
FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias	3
or GERO 3161/5161	Families, Alzheimer's and Related Dementias	
GERO 4170/5170	Long Term Care Administration	3
GERO 4195	Internship in Gerontology (9 credit hours)	9
PH 2160	Medical Terminology, Short Course	2
PSYCH 1001	Introduction to Psychology	3
PSYCH 3204/5204	Psychology of Aging	3
SOC 1000	Introduction to Sociology	3
SOC 3035/5035	Social Gerontology	3
Business Electives - choose three courses from the following:		**9**
ACCT 2130	Principles of Managerial Accounting	
MGMT 3100	Legal and Social Environment of Business	
MGMT 3101	Business Law	
MGMT 3153	Organizational Management	
MGMT 3905/5905	Employment and Labor Law	
MGMT 3966/5966	Staffing and Employee Development	
Gerontology Electives - choose one course from the following:		**3**
FAM SERV 1020	Family Relationships	

FAM SERV 1055	Human Growth and Development	
FAM SERV 3150/5150	Families and Aging	
GERO/FAM SERV 2111	Families and End of Life Issues	
PH 3660/5660	Public Health Theory	
Total Hours		**44**

Note: NHA Iowa requirements - 12 hours health care administration, 6 hours gerontology, 10 hours business plus internship.

Interior Design Major

The Interior Design major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Admission to the University of Northern Iowa with an intended Interior Design major does not guarantee placement in the major due to the limited number of spaces available in the studio facilities.

Students majoring in Interior Design must satisfy the admission requirements including GPA, portfolio review/interview and the completion of specified courses before they can officially declare the major. Prior to completion of the admission requirements, students may sign an intent to major in Interior Design and be classified as a (pre)major.

Required

School of Applied Human Sciences:		
INTDSGN 1001	Introduction to Interior Design	3
INTDSGN 1061	Design Foundations	3
INTDSGN 1063	Drafting for Interiors	3
INTDSGN 1065	Design Visualization and Communication	3
INTDSGN 1067	History of Interiors	3
INTDSGN 2063	Computer Applications for Interior Design I	3
INTDSGN 2065	Space Planning and the Human Experience	3
INTDSGN 2069	Materials and Resources for Interior Design	3
INTDSGN 3063	Computer Applications for Interior Design II	3
INTDSGN 3069	Building Systems and Lighting	3
INTDSGN 3129	Interior Design Standards	2
INTDSGN 3151	Residential Design I	3
INTDSGN 3152	Residential Design II	3
INTDSGN 3164	Professional Practice of Interior Design	3
INTDSGN 3165	Professional Preparation in Interior Design	1
INTDSGN 4151	Commercial Design I	3
INTDSGN 4152	Commercial Design II	3
INTDSGN 4153	Commercial Design III	3
INTDSGN 4161	Advanced Design I	1
INTDSGN 4162	Advanced Design II	3
INTDSGN 4195	Internship in Interior Design	4
TEXDSGN 1002	Textile Science	3
Total Hours		**62**

Textile and Apparel Major

The Textile and Apparel major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

School of Applied Human Sciences:		
TEXDSGN 1000	Fashion Culture and Industry	3
TEXDSGN 1002	Textile Science	3
TEXDSGN 1003	Creative Textile and Apparel Design Foundations	3
TEXDSGN 2004	EuroAmerican Fashion Design History	3
TEXDSGN 2007	Apparel Assembly and Technical Design	3
TEXDSGN 2008	Computer Applications for the Textile and Apparel Industry	3
TEXDSGN 3009	Textile Structures & Sourcing	3
TEXDSGN 3010	Quality Assurance for Textile Materials	3
TEXDSGN 3012	Fashion Design: Flat Pattern and Draping	3
TEXDSGN 3013	Professional Development: Textile and Apparel	2
TEXDSGN 3014	Branding Strategies for the Apparel Industry	3
TEXDSGN 4016	Apparel Product Development	3
TEXDSGN 4195	Internship in Textile and Apparel	4
Select one of the following:		3
TEXDSGN 2005	Fashion Event Planning and Digital Marketing	
TEXDSGN 4184/5184	Topics in Textile and Apparel	
Total Hours		**42**

Minors

Family Studies Minor

Required

Family Studies:		
FAM SERV 1020	Family Relationships	3
FAM SERV 1055	Human Growth and Development	3
or PSYCH 2202	Developmental Psychology	
FAM SERV 1057	Human Relationships and Sexuality	3
Social Science Research Methods (choose one of the following):		3-4
FAM SERV 1030	Research Methods in Family Science	
PSYCH 3002	Research Methods	

SW 3185	Social Work Research	
COMM COR 2020	Communication Research Methods	
COMM 4021/5021	Quantitative Research Methods	
SOC 2010	Research Methods	
Select three electives from the following:		9
Family Studies:		
FAM SERV 1010	Human Identity and Relationships	
FAM SERV 2054	Interpersonal Relationship Dynamics	
FAM SERV 2077	Management of Family Resources	
FAM SERV 2111	Families and End of Life Issues	
or GERO 2111	Families and End of Life Issues	
FAM SERV 3145/5145	Violence in Intimate Relationships	
FAM SERV 3150/515	Families and Aging	
FAM SERV 3155/5155	Parenting	
FAM SERV 3160/516	Family Assessment and Intervention	
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias	
FAM SERV 3162/516	Issues in Family Policy	
FAM SERV 3176/5176	Consumer Behavior Across the Lifespan	
FAM SERV 4157/515	Human Sexuality Education	
FAM SERV 4184/5184	Topics in Family Services	
FAM SERV 4198	Independent Study in Family Services	
Total Hours		**21-22**

Gerontology Minor

Required (15 hrs):		
FAM SERV 1055	Human Growth and Development	3
or PSYCH 2202	Developmental Psychology	
PSYCH 1001	Introduction to Psychology	3
PSYCH 3204/5204	Psychology of Aging	3
SOC 1000	Introduction to Sociology	3
SOC 3035/5035	Social Gerontology	3
Electives in Gerontology--must take 2		**6**
FAM SERV 3150/515	Families and Aging	
FAM SERV 3176/5176	Consumer Behavior Across the Lifespan	
CSD 1000	Understanding Communication Disorders	
GERO 2111	Families and End of Life Issues	
or FAM SERV 2111	Families and End of Life Issues	
GERO 4170/5170	Long Term Care Administration	
GERO/FAM SERV 3161	Families, Alzheimer's and Related Dementias	
SW 4173/5173	Social Services for Older Adults	
PH 2630	Aging and Health	
PH 3660/5660	Public Health Theory	
Total Hours		**21**

Textile and Apparel Minor

Required		
Textile and Apparel:		
TEXDSGN 1000	Fashion Culture and Industry	3
Electives from the following:		**15**
TEXDSGN 2007	Apparel Assembly and Technical Design	
TEXDSGN 1003	Creative Textile and Apparel Design Foundations	
TEXDSGN 1002	Textile Science	
TEXDSGN 2004	EuroAmerican Fashion Design History	
TEXDSGN 2005	Fashion Event Planning and Digital Marketing	
TEXDSGN 2008	Computer Applications for the Textile and Apparel Industry	
TEXDSGN 3009	Textile Structures & Sourcing	
TEXDSGN 3010	Quality Assurance for Textile Materials	
TEXDSGN 3012	Fashion Design: Flat Pattern and Draping	
TEXDSGN 3014	Branding Strategies for the Apparel Industry	
TEXDSGN 4016	Apparel Product Development	
TEXDSGN 4184/518	Topics in Textile and Apparel	
Total Hours		**18**

Master of Arts Degree Program

Major in Counseling

The Counseling major is offered with two emphasis areas; Clinical Mental health Counseling and School Counseling. Program requirements and detailed information on the major, including admission policies and procedures, should be obtained from the School of Applied Human Sciences. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application (also www.uni.edu/csbs/sahs/counseling).

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. The Clinical Mental Health emphasis requires a **minimum of 60 semester hours** for the **non-thesis option**; the School Counseling emphasis requires a **minimum of 60 semester hours** for the **non-thesis option**. ***Students who do not have teacher licensure must***

take SPED 3150 Meeting the Needs of Diverse Learners in Classrooms to meet Board of Educational Examiners requirements for licensure. The **thesis option** requires an additional 6 hours of COUN 6299 Research for either emphasis. **A minimum of 20 hours of 6000-level course work is required.**

All students completing this program must pass the Counselor Preparation Comprehensive Examination (CPCE). Pass scores on the CPCE national examination are based each semester on test results for the national normative data. This examination is based on the 8 CACREP core curriculum areas for counselor preparation. Students are also required to write an essay and pass this component as well. Non-thesis students must successfully complete the final paper and fulfill program-specific exit requirements. The thesis option requires a completed thesis and successful oral defense of the research, in addition to passing the CPCE and meeting program-specific exit requirements.

Required core courses		
Counseling:		
COUN 4105/5105	Counseling Skills	3
COUN 6103	Professional Orientation and Ethics in Counseling	3
COUN 6104	Counseling Theories	3
COUN 6220	Group Counseling Skills and Processes	3
COUN 6225	Facilitating Career Development	3
COUN 6228	Assessment Techniques in Counseling	3
COUN 6254	Counseling Children and Adolescents	3
COUN 6256	Multicultural Counseling	3
COUN 6262	Intervention and Prevention in Lifespan Development	3
COUN 6304	Crisis and Trauma Intervention and Management	3
COUN 6503	Wellness, Self-Care, and Brain-Based Strategies	3
Measurement and Research:		
MEASRES 6205	Educational Research	3
Total core hours		**36**

One of the following emphases:

Clinical Mental Health Counseling Emphasis (24 hours):

Required emphasis hours:		
Counseling:		
COUN 6207	Diagnosis and Psychopharmacology in Mental Health Counseling	3
COUN 6290	Practicum in Counseling	3
COUN 6405	Advanced Psychopathology and Treatment	3
COUN 6505	Dynamics of Family, Couples and Human Sexuality in Counseling	3
COUN 6605	Counseling Process and Practices for Substance Abuse and Co-occuring Disorders	3
COUN 6805	Integrated Counseling Practice and Clinical Supervision	3
COUN 6291	Internship	6
Total hours for Counseling: Clinical Mental Health Counseling non-thesis option (CACREP required 60 credits)		**60**
Additional requirement for thesis option:		
COUN 6299	Research	6
Total hours for Counseling: Clinical Mental Health Counseling thesis option		**66**

School Counseling Emphasis (24 hours):

Required emphasis courses:		
COUN 6210	Developing Comprehensive School Counseling Programs	3
COUN 6290	Practicum in Counseling	3
COUN 6406	Foundations of School Counseling	3
COUN 6506	Counseling Issues with Families and Parents in School Settings	3
COUN 6706	Current Issues in School Counseling	3
COUN 6806	Leadership, Consultation, and Collaboration in School Counseling	3
COUN 6291	Internship	6
Total hours for Counseling: School Counseling Emphasis non-thesis option (CACREP required 60 credits)		**60**
Additional requirement for thesis option:		
COUN 6299	Research	6
Total hours for Counseling: School Counseling Emphasis thesis option		**66**
SPED 3150	Meeting the Needs of Diverse Learners in Classrooms (For non-teaching majors only)	2

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificate, contact the Department of Family, Aging & Counseling or the Office of the Registrar, which serves as the centralized registry.

Advanced Studies Certificate in Clinical Mental Health Counseling

The Advanced Studies Certificate in Clinical Mental Health Counseling is an 18-hour graduate certificate focused on training school counselors to gain specific training in clinical mental health counseling. This certificate would allow students to complete the

educational requirements to be eligible for licensure in mental health counseling.

The certificate program will be delivered in a cohort model starting each summer term. Students admitted will be required to take all courses in the certificate program in order to be eligible to take COUN 6290 Practicum in Counseling and COUN 6291 Internship.

Students must apply for the program and provide the following:

1. Qualifications
   a. Masters in school counseling from a CACREP accredited program
   b. 2 years counseling experience
2. Complete application due by April 1
   a. Complete a transcript review by CCE through the Iowa Board of Behavioral Sciences. This will outline what courses the student will need to take in order to become licensed in the state of Iowa.
   b. Application questions
   c. Transcripts from all graduate institutions attended
   d. 2 letters of recommendation
      i. One from prior counseling supervisor who can speak to your clinical experiences
      ii. One from an LMHC who would be willing to serve as a site supervisor for you in practicum and internship

Prerequisites: students must have a masters in school counseling from a CACREP accredited program.

Required		
COUN 6207	Diagnosis and Psychopharmacology in Mental Health Counseling	3
COUN 6405	Advanced Psychopathology and Treatment	3
COUN 6290	Practicum in Counseling	3
COUN 6291	Internship	6
Electives (select one of the following)		3
COUN 6805	Integrated Counseling Practice and Clinical Supervision	
COUN 6286: Studies in Counseling *		
Total Hours		**18**

* Each summer, COUN 6286 courses are offered on various topics that could be used as electives.

Department of Finance

(College of Business)

business.uni.edu/finance

The Department of Finance offers the following undergraduate programs and program certificate. Specific requirements for these programs are listed within this Department of Finance section in the following order:

Undergraduate Majors (B.A.)

- Finance (p. 221)
- Real Estate (p. 221)

Minors

- Finance (for Business Majors) (p. 222)
- Finance (for Non-Business Majors) (p. 222)
- Real Estate-Business (p. 223)
- Real Estate (p. 223)

Program Certificates

- Commercial Banking (p. 224)
- Financial and Real Estate Sales for Business Majors (p. 224) (also listed in the Department of Marketing and Entrepreneurship)
- Financial Analysis (graduate certificate) (p. 224)

Note: Students majoring in Finance and/or Real Estate must satisfy the College of Business admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from UNI*Business* Advising in the College of Business or at https://business.uni.edu/students/advising/uni-college-business-policies. Prior to completion of the admission requirements, students may sign an intent to major in Finance or Real Estate and be classified as a prospective (pre)major. Pre-Finance and Pre-Real Estate majors may enroll in lower division (below 3000-level) business courses only. Enrollment in upper division (3000/4000-level) business courses equires satisfactory completion of the College of Business admission requirements and any course prerequisites.

Finance and Real Estate majors *may* declare a double major, and/or major and minor within the College of Business, subject to the approval of the other College of Business departments involved. Finance and Real Estate majors minoring within the College of Business must select minors designated for business majors. Finance majors cannot minor in Finance, and Real Estate majors cannot minor in Real Estate. However, Finance majors may double major or minor in Real Estate, and Real Estate majors may double major in Finance or minor in Finance. Also, not more than one emphasis area may be declared in Finance.

To graduate with a major in Finance or Real Estate from the College of Business, a student must earn at least 50% of the business credit hours required for the major at UNI. A student must earn a 2.20 cumulative grade point average at UNI; and must earn an overall 2.20 grade point average in ACCT xxxx, MKTG xxxx, MGMT xxxx, FIN xxxx, and ECON xxxx courses taken at UNI. Students given permission to graduate out-of-residence must earn a 2.20 or better in all courses approved and accepted for out-of-residence credit.

The Finance Department may impose additional admission requirements for students wishing to declare a minor or a second College of Business major. Eligibility to declare a minor or a second College of Business major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNI*Business Advising* (CBB 5) in the College of Business.

Bachelor of Arts Degree Programs

Finance Major

The Finance major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required Business Core:		
Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Required Finance:		
FIN 3135	Intermediate Financial Management	3
FIN 3160/5160	Principles of Investments	3
FIN 4145	Advanced Financial Management	3
Emphasis Requirements		**9**
Students select one area of emphasis below		
Total Hours		**60**

Emphases:

Financial Management

Electives		**9**
Finance:		
FIN 3032/5032	International Financial Management	
FIN 3050	Risk Management and Insurance	
FIN 3065/5065	Fixed Income Analysis	
FIN 3125	Real Estate Finance *	
FIN 3170/5170	Commercial Bank Management	
FIN 3210	Financial Modeling and Analytics	
Economics:		
ECON 2132	Money and Banking	
Total Hours		**9**

Investments

Required		
Finance:		
FIN 4150/5150	Securities Analysis	3
FIN 4155/5155	Options and Futures	3
Electives		**3**
Finance:		
FIN 3065/5065	Fixed Income Analysis	
FIN 3125	Real Estate Finance *	
FIN 3210	Financial Modeling and Analytics	
Accounting:		
ACCT 3120	Intermediate Accounting I	
Total Hours		**9**

Personal Wealth Management

Required Courses		
FIN 3040	Introduction to Personal Wealth Management	3
FIN 4040	Principles of Personal Wealth Management	3
FIN 4270	Applications of Personal Wealth Management	3
Total Hours		**9**

* FIN 3125 (160:141) can be used by double majors in Finance and Real Estate to satisfy the requirements of both majors. This does not apply to the Personal Wealth Management emphasis of the Finance major.

Real Estate Major

The Real Estate major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required business core		
Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0

BUSINESS 2000	Business Professionals in Training	0
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
ECON 2090	Decision Analytics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Required Real Estate and Finance		
FIN 3110	Principles of Real Estate	3
FIN 3115	Real Estate Law and Brokerage	3
FIN 3120	Real Estate Appraisal and Investment	3
FIN 3125	Real Estate Finance *	3
FIN 3135	Intermediate Financial Management	3
FIN 4190	Advanced Real Estate Cases	3
Total Hours		**60**

* FIN 3125 (160:141) can be used by double majors in Real Estate and Finance to satisfy the requirements of both majors. This does not apply to the Personal Wealth Management emphasis of the Finance major.

Minors

Finance Minor (for Business Majors)

This minor is NOT available to majors in Finance.

Required		
Finance:		
FIN 3130/5130	Corporate Finance *	3
FIN 3160/5160	Principles of Investments **	3
Electives		**9**
Finance:		
FIN 3032/5032	International Financial Management **, ***	
FIN 3050	Risk Management and Insurance	
FIN 3055	Insurance Company Operations **, ***	
FIN 3065/5065	Fixed Income Analysis **	
FIN 3125	Real Estate Finance **, ***	
FIN 3135	Intermediate Financial Management **	
FIN 3170/5170	Commercial Bank Management **, ***	
FIN 4150/5150	Securities Analysis **, ***	
FIN 4155/5155	Options and Futures **, ***	
Economics:		
ECON 2132	Money and Banking	
Total Hours		**15**

Note: All 3000- and 4000- level courses require junior standing.

* These courses require the following prerequisites: ACCT 2120; both STAT 1772 (or equivalent) and ECON 1011, or MATH 1421; ECON 1041; ECON 1051. These courses count toward the Business Core requirements for all Business majors.

** These courses require a C- or better in FIN 3130/5130.

*** These courses require the following prerequisite: ACCT 2130. ACCT 2130 counts toward the Business Core requirements for all Business majors.

Finance Minor (for Non-Business Majors)

Required		
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Economics/Mathematics:		3-6
Both		
ECON 1011	Statistics for Business Analytics	
and		
STAT 1772	Introduction to Statistical Methods	
OR ONLY		
MATH 1421	Calculus II	
Economics:		
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Finance:		
FIN 3130/5130	Corporate Finance	3
FIN 3160/5160	Principles of Investments *	3
Electives		**9**
Finance:		
FIN 3032/5032	International Financial Management *, **	

FIN 3050	Risk Management and Insurance	
FIN 3055	Insurance Company Operations *, **	
FIN 3065/5065	Fixed Income Analysis *	
FIN 3125	Real Estate Finance *, **	
FIN 3135	Intermediate Financial Management *	
FIN 3170/5170	Commercial Bank Management *, **	
FIN 4150/5150	Securities Analysis *, **	
FIN 4155/5155	Options and Futures *, **	
Economics:		
ECON 2132	Money and Banking	
Total Hours		**27-30**

Note: All 3000- and 4000- level courses require junior standing.

* These courses requires a C- or better in FIN 3130/5130.

** These courses require the following prerequisite: ACCT 2130.

Real Estate Minor-Business

Required		
Finance:		
FIN 3110	Principles of Real Estate	3
FIN 3115	Real Estate Law and Brokerage	3
FIN 3120	Real Estate Appraisal and Investment	3
FIN 3125	Real Estate Finance	3
Electives from the following		**3**
Marketing:		
MKTG 3113/5113	Consumer Behavior	
MKTG 3153	Professional Selling	
MKTG 3156	Services Marketing	
Finance:		
FIN 3055	Insurance Company Operations	
FIN 3170/5170	Commercial Bank Management	
Technology:		
TECH CM 1000	Introduction to Construction Processes	
Economics:		
ECON 3253/5253	Urban and Regional Economics	
Geography:		
GEOG 2120	North American Cities	
GEOG 4170/5170	Climate Action Planning	
Total Hours		**15**

Available to majors in: Accounting, Business Teaching, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, and Marketing.

Real Estate Minor

Required		
Finance:		
FIN 3110	Principles of Real Estate	3
FIN 3115	Real Estate Law and Brokerage	3
FIN 3120	Real Estate Appraisal and Investment	3
Marketing:		
MKTG 2110	Principles of Marketing *	3
Electives from the following		**3**
Marketing:		
MKTG 3113/5113	Consumer Behavior	
MKTG 3153	Professional Selling	
MKTG 3156	Services Marketing	
Finance:		
FIN 3055	Insurance Company Operations **	
FIN 3125	Real Estate Finance **	
FIN 3130/5130	Corporate Finance **	
FIN 3170/5170	Commercial Bank Management **	
Technology:		
TECH CM 1000	Introduction to Construction Processes	
Economics:		
ECON 3253/5253	Urban and Regional Economics **	
Geography:		
GEOG 2120	North American Cities	
GEOG 4170/5170	Climate Action Planning **	
Total Hours		**15**

* In addition to the required 15 hours, MKTG 2110 has a prerequisite of either ECON 1031 or ECON 1041. ECON 1031 or ECON 1041 will satisfy the Quantitative Reasoning requirement of the UNIFI/General Education program.

** FIN 3125, FIN 3130/5130, FIN 3170/5170, FIN 3055, ECON 3253/5253, and GEOG 4170/5170 have additional prerequisites.

NOT available to majors in: Accounting, Business Teaching, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, Marketing, and Real Estate.

Program Certificate

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information

on the following program certificate, contact the Department of Finance or the Office of the Registrar, which serves as the centralized registry.

Certificate in Commercial Banking

The Commercial Banking Certificate provides students with essential knowledge and tools in preparation for careers in the Commercial Banking industry. This Certificate is for Finance majors, Real Estate majors, and Finance / Real Estate double majors.

Required:		
Finance:		
FIN 3125	Real Estate Finance *	3
FIN 3170/5170	Commercial Bank Management *	3
Choose two courses from the following:		
Finance:		6
FIN 3110	Principles of Real Estate **	
FIN 3120	Real Estate Appraisal and Investment ***	
FIN 3065/5065	Fixed Income Analysis ****	
Total Hours		**12**

* These courses require the following prerequisites: ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing.

** This course requires the following prerequisite: junior standing.

*** This course requires the following prerequisites: FIN 3110; junior standing.

**** This course requires the following prerequisites: ACCT 2120; C- or better in FIN 3130/5130; FIN 3160/5160; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing.

Certificate in Financial and Real Estate Sales for Business Majors

Required		
Marketing:		
MKTG 3153	Professional Selling	3
MKTG 3154	Sales Management	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Electives from the following:		**6**
Finance:		
FIN 3050	Risk Management and Insurance	
FIN 3110	Principles of Real Estate	
FIN 3160/5160	Principles of Investments	
Electives from the following:		**3**
Management:		
MGMT 3974/5974	Business, Ethics, and Society	
Communication and Media*:		
COMM 3155	Business and Professional Oral Communication	
COMM 4218	Persuasion	
Total Hours		**18**

* Prerequisite notes:
1) COMM 4218 has junior standing as a prerequisite.
2) COMM 3155 has COMM 1000 Oral Communication as a prerequisite. COMM 1000 will satisfy the Oral Communication requirement of the UNIFI/General Education program.
3) The remaining certificate courses are business courses (i.e., Marketing, Finance, and Management) and all prerequisites for all courses would be required to complete as a business major for which this certificate is the intended audience.

Financial Analysis (graduate certificate)

The Graduate Certificate in Financial Analysis provides graduate students with essential knowledge and tools in preparation for careers in the Financial Management or Investments industries. This Certificate is for graduate students.

Business courses typically completed as an undergraduate (and recommended for this certificate):		
ACCT 2120	Principles of Financial Accounting	3
STAT 1772	Introduction to Statistical Methods	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
ECON 1011	Statistics for Business Analytics	3
or MATH 1421	Calculus II	
FIN 3130/5130	Corporate Finance	3
Required:		
Finance:		
FIN 5160	Principles of Investments	3
FIN 6266	Financial Management and Markets *	3
Choose two courses from the following:		6
FIN 5032	International Financial Management	
FIN 5065	Fixed Income Analysis **	
FIN 5170	Commercial Bank Management	
FIN 5150	Securities Analysis **	
FIN 5155	Options and Futures **	
Total Hours		**12**

* This course requires consent of the MBA director.

** These courses have the following recommended prerequisite: FIN 5160.

Department of Geography

(College of Social and Behavioral Sciences)

www.uni.edu/geography

The Department of Geography offers the following undergraduate and graduate programs and program certificate. Specific requirements for these programs are listed within this Department of Geography section in the following order:

Undergraduate Major (B.S.)

- Geographic Information Science (p. 225)

Undergraduate Major (B.A.)

- Environmental Resource Management (p. 225) (also listed in Department of Biology, Department of Earth and Environmental Sciences, and Department of Health, Recreation and Community Services)
- Geography (p. 230)

Minor

- Geography (p. 230)

Graduate Major (M.A.)

- Geography (p. 230)

Program Certificate

- Crime Mapping and Analysis (p. 231) (also listed in Department of Sociology, Anthropology, and Criminology)
- Geographic Information Systems (GIS) and Cartography (p. 231)
- Unmanned Aerial Systems (p. 231)

Bachelor of Science Degree Programs

Geographic Information Science Major

The B.S. Geographic Information Science major requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education requirements and the following specified major requirements, plus course choices for a focus within the major and electives, needed to complete the minimum of 120 hours.

Required		
Geographic Information Science core:		
GEOG 1120	Peoples, Cultures, and Environments	3
GEOG 1210	Planet Earth	3
GEOG 1211	Planet Earth Laboratory	1
GEOG 2320	Drones for Mapping and Communication	3
GEOG 2410	Geographic Information Systems I	3
GEOG 3380	Remote Sensing of the Environment	3
GEOG 3410	Geographic Information Systems II	3
GEOG 3450	Global Positioning System Field Survey Methods	3
GEOG 4310/5310	GIS Applications: (Variable Topic)	3
GEOG 3598	Research Experience in Geography @	1-3
GEOG 4550	Senior Seminar in Geography	3
GEOG 4560	Professional Seminar	1
Science and Mathematics		
PHYSICS 1000	Physics in Everyday Life *	3
MATH 1130	Trigonometry *	2-4
or MATH 1140	Precalculus	
Statistics (Choose Two)		**6**
STAT 1772	Introduction to Statistical Methods	
SOC SCI 2020	Social Sciences Statistics	
GEOG 3778/5778	Spatial Data Analysis *	
Computer Science (Choose One)		**3**
GEOG 4390/5390	GIS Programming	
CS 3140/5140	Database Systems *	
Geography Electives		**15**
Choose any Geography course in consultation with a Geography faculty advisor. Up to three (3) non-Geography courses can count toward Geography Electives with departmental approval.		
Total Hours		**59-63**

* These courses have additional prerequisites as follows:
PHYSICS 1000 has prerequisite of student must have satisfied university entrance requirements in English and Mathematics.
MATH 1130, MATH 1140 has prerequisites of satisfactory score on ALEKS exam.
GEOG 3778/5778 has prerequisite of STAT 1772 or SOC SCI 2020.
CS 3140/5140 has prerequisites of CS 1520; CS 1800.

@ This course meets the Bachelor of Science degree undergraduate research course requirement.

Note: Choice of courses and subsequent course prerequisites may increase the length of this program.

Bachelor of Arts Degree Programs

Environmental Resource Management Major

The Environmental Resource Management major is aimed at students searching for career options in the broadly-defined 'outdoor environment' that are related to natural resources, environmental systems, and sustainable development. This program will prepare students for careers in the environmental and human management of public and private spaces across differing categories of environmental systems - from public parks and lands to conservancy units managed by governmental and other non-profit agencies and organizations. This program aims to serve those students who do not wish to pursue

careers as environmental scientists *per se* from more tightly focused 'environmental science' programs.

- *STUDENTS ARE REQUIRED TO TAKE THE CORE REQUIREMENTS (31 HOURS) AND MAY CHOOSE ONLY ONE OF THE FOUR SPECIALIZATION TRACKS (30-32 HOURS).*
- *Each track is composed of clusters of courses with a specific concentration, each of which has a separate hourly requirement.*
- *For purposes of this degree program, those prerequisite courses required by BIOL, EARTHSCI, GEOG, and RTNL for mid/upper-level courses in each Track THAT ARE NOT INCLUDED IN THE CORE REQUIREMENTS will normally be waived by the appropriate departments.*
- *The separate tracks allow students to specialize in the area of most general interest while the primary & secondary foci within each track make sure students also are exposed to a wide range of important auxiliary coursework.*
- *A student with a major in the interdisciplinary B.A. Environmental Resource Management: Ecosystems Track may not declare another major or minor in biology.*
- *By permission of the Provost's Office, students enrolled in the B.A. Environmental Resource Management major will be considered majors in all four of the participating departments.*

Core Requirements		
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science *	3
CHEM 1110	General Chemistry I	4
EARTHSCI 1300	Introduction to Geology	4
or		
GEOG 1210 & GEOG 1211	Planet Earth and Planet Earth Laboratory	
EARTHSCI 3330/5330	Geomorphology	4
GEOG 2260	Environmental Resource Management	3
GEOG 2410	Geographic Information Systems I	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
HIST 4170/5170	U.S. Environmental History	3
Total Hours		**31**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive the BIOL 2052 and CHEM 1120 prerequisites for enrollment into BIOL 3100.

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Department of Geography)

- Sustainability (Interdisciplinary)

- Outdoor Recreation (Department of Health, Recreation and Community Services)

- Tourism (Department of Health, Recreation and Community Services)

- Nonprofit Management Certificate (Department of Health, Recreation and Community Services)

- Environmental Health Certificate (Department of Health, Recreation and Community Services)

- Public History (Department of History)

Ecosystems Track

A total of 32 hours are needed for this track. There are 12 hours of required courses. In addition, student select courses from all three elective categories (A, B, & C) to accumulate to a minimum of 20 hours. At least one course must be taken from each elective category.

Required		
BIOL 4168/5168	Ecology **	4
CHEM 1120	General Chemistry II §	4
MATH 1140	Precalculus	3-4
or STAT 1772	Introduction to Statistical Methods	
Electives:		**20**
Category A - Content Management Related Courses (pick at least 1 course)		
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4108/5108	Biodiversity Conservation Policy **	
BIOL 4167/5167	Conservation Biology **	
BIOL 4180/5180	Restoration Ecology **	
Category B - Content Related Courses (pick at least 1 course)		
BIOL 3112	Invertebrate Zoology *	
BIOL 3118	Marine Biology *	
BIOL 3160	Field Zoology of Vertebrates *	
BIOL 3170	Entomology *	
BIOL 4157/5157	Biostatistics **	
BIOL 4164/5164	Mammalogy **	
BIOL 4166/5166	Plant Systematics **	
BIOL 4172/5172	Developmental Plant Anatomy **	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 3410	Geographic Information Systems II	
Category C - Cognates (pick at least 1 course)		
EARTHSCI 1200	Elements of Weather	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2240	Natural Hazards and Disasters	

GEOG 2270	Science of Scenery
GEOG 3179	Cooperative Education in Geography ^
or BIOL 3179	Cooperative Education
or EARTHSCI 343	Internship
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership
or PH 4180	Internship
GEOG 3220	Environmental Geography: Variable Topic ^
GEOG 3380	Remote Sensing of the Environment
GEOG 4220/5220	Soils and Landscapes
GEOG 4240/5240	The Ice Age ^
GEOG 4250/5250	Laboratory Methods in Environmental Geography
MGMT 3183	Leadership Skills ^
MGMT 3185	Project Management ^
RTNL 2120	Foundations of Tourism
RTNL 4553/5553	Trends and Issues in Outdoor Recreation
RTNL/HIST 4556	History of Outdoor Recreation
Total Hours	**31-32**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 and CHEM 1120 for BIOL 3000-level courses.

** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 as a prerequisite for BIOL 4000-level courses.

§ Students pursuing the Ecosystems track can take CHEM 1110 and CHEM 1120 (8 credits) OR CHEM 1130 (5 credits). CHEM 1130 is designed for students with exceptional preparation in Chemistry. Taking CHEM 1130 changes the total degree requirement from 62-63 credit hours to 59-60 credit hours.

^ These courses have additional prerequisites as follows:
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
GEOG 4240/5240 has prerequisites of GEOG 1210; GEOG 2210; EARTHSCI 1300; or consent of instructor; junior standing.
MGMT 3183 has a prerequisite of MGMT 3965/5965.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4320 has prerequisites of three (3) credit hours of RTNL 31XX; junior standing. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive the prerequisites of 3 hours of RTNL 31XX.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Geosystems Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Electives

Primary Focus - Content Related Courses		**21**
EARTHSCI 1200	Elements of Weather	
EARTHSCI 3350/535	Environmental Hydrology ^	
EARTHSCI 3322	Earth Materials ^	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2240	Natural Hazards and Disasters	
GEOG 3220	Environmental Geography: Variable Topic * ^	
or		
EARTHSCI 3345/534	Environmental Geology ***	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 3380	Remote Sensing of the Environment	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
Secondary Focus - Management Cognates		**9**
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4180/5180	Restoration Ecology **	
EARTHSCI 3325/532	Sedimentary Geology ****	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	
ECON 3225/5225	Environmental Economics ^	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^	
GEOG 4170/5170	Climate Action Planning	
GEOG 4240/5240	The Ice Age *	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic) ^	
GEOG 3410	Geographic Information Systems II	
RTNL 2120	Foundations of Tourism	
RTNL/HIST 4556	History of Outdoor Recreation	

RTNL 4776/5776	Eco, Adventure and Sport Tourism
MGMT 3185	Project Management ^
POL AMER 3172	Public Budgeting ^
BIOL 3179	Cooperative Education ^
or GEOG 3179	Cooperative Education in Geography
or EARTHSCI 3430	Internship
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership
or PH 4180	Internship
Other courses as approved by advisors and program director	
Total Hours	**30**

* * For students pursuing the Geosystems Track, the Geography Department will accept GEOG 1210 and GEOG 1211 or EARTHSCI 1300 as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 and GEOG 3410.

** ** The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4105/5105 and BIOL 4180/5180.

*** *** The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as substitutes for courses that require EARTHSCI 1300.

**** **** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 for EARTHSCI 3325/5325.

The Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for RTNL 4776/5776.

^ ^ These courses have additional prerequisites as follows:
EARTHSCI 3322 has a prerequisite of EARTHSCI 1300.
EARTHSCI 3350/5350 has prerequisites of EARTHSCI 1300; junior standing.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
ECON 3225/5225 has prerequisites of ECON 1041, ECON 1051; junior standing.
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
GEOG 4310/5310 has prerequisites of GEOG 2410; junior standing.
GEOG 3410 has prerequisites of GEOG 2410 or consent of instructor; junior standing.
POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Resource Administration Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Primary Focus - Content Related Courses		**21**
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 4170/5170	Climate Action Planning	
GEOG 2240	Natural Hazards and Disasters	
PH 3720/5720	Environmental and Occupational Health Regulations	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 3337	Human Resource Development for Recreation, Tourism and Nonprofit Leadership	
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
RTNL/HIST 4556	History of Outdoor Recreation	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
Secondary Focus - Cognates		**9**
BIOL 4167/5167	Conservation Biology **	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 3410	Geographic Information Systems II	
GEOG 3380	Remote Sensing of the Environment	
ENGLISH 4775/5775	Applied Writing: Specialized Documents ^	
or ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	
PH 3710/5710	Environmental Health Science	
RTNL 2120	Foundations of Tourism	
RTNL 4552/5552	Theory and Practice of Outdoor Education	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4779/5779	Community Planning Workshop	
MGMT 3185	Project Management ^	
POL AMER 3172	Public Budgeting ^	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	

or EARTHSCI 3430	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**30**

* * The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4167/5167.

** ** The Geography Department and the Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for enrollment into RTNL 4310/5310.

^ ^ These courses have additional prerequisites as follows:
RTNL 4776/5776 has prerequisites of RTNL 2120 or consent of instructor; junior standing.
ENGLISH 4775/5775 has prerequisites of MGMT 2080 or ENGLISH 2770 or consent of instructor; junior standing.
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Environmental Compliance Track

A total of 32 hours need for this focus area, with 15 hours of required courses, a minimum of 10 hours from the Primary Focus group and 7 hours from the Secondary Focus group.

Required		
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
ECON 3225/5225	Environmental Economics	3
PH 3720/5720	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3
Primary Focus - Content Related Courses		**10**
EARTHSCI 1200	Elements of Weather	
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3230/523	Air Quality ^	
EARTHSCI 3345/5345	Environmental Geology *	
or		
GEOG 3220	Environmental Geography: Variable Topic	
EARTHSCI 3350/535	Environmental Hydrology *	
Secondary Focus - Cognates		**7**
EARTHSCI 3240/524	Air Quality Modeling ^	
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality ** ^	
EARTHSCI 3325/532	Sedimentary Geology ***	
EARTHSCI 3355/5355	Hydrogeology *	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 3380	Remote Sensing of the Environment	
PH 3710/5710	Environmental Health Science	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
MGMT 3153	Organizational Management *	
MGMT 3185	Project Management ^	
POL AMER 1048	Current and Emerging Issues in Public Administration	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 343	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**32**

* * The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as a substitute for courses that require EARTHSCI 1300.

** ** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 as a prerequisite for enrollment into EARTHSCI 3250/5250.

*** *** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 for EARTHSCI 3325/5325.

^ ^ These courses have additional prerequisites as follows:
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
EARTHSCI 3240/5240 has prerequisites of EARTHSCI 1200; junior standing.
EARTHSCI 3250/5250 has prerequisites of EARTHSCI 1200; junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Geography Major

The Geography major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required		
Geography:		
GEOG 1110	Global Geography	3
GEOG 1120	Peoples, Cultures, and Environments	3
GEOG 1210	Planet Earth	3
GEOG 1310	Digital Earth	3
GEOG 2410	Geographic Information Systems I	3
GEOG 4550	Senior Seminar in Geography	3
GEOG 4560	Professional Seminar	1
Geography Electives		**21**
Choose any Geography course in consultation with a Geography faculty advisor. Up to three (3) non-Geography courses can count toward Geography Electives with departmental approval.		
Total Hours		**40**

Minor

Geography Minor

Required		
Geography:		
GEOG 1120	Peoples, Cultures, and Environments	3
or GEOG 1110	Global Geography	
GEOG 1210	Planet Earth	3
Electives in geography *		**12**
Total Hours		**18**

* Only 3 hours of credit in GEOG 3179 will count toward electives for the minor.

Master of Arts Degree Program

Major in Geography

Students interested in enrolling in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the graduate coordinator in the Department of Geography for any other application requirements. Applications should include two letters of recommendation, a brief statement about professional interests and career objectives, and transcripts of both undergraduate and graduate credit. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course number 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The major in Geography is available on the **thesis** (**research**) and **non-thesis** (**professional**) options. A **minimum of 33 semester hours**, including 6 hours GEOG 6299 for thesis research and writing, is required for the **thesis** option. Students must successfully present a written and oral thesis proposal prior to registration in GEOG 6299. A **minimum of 36 semester hours**, including 3 hours GEOG 6598 for completion of a research paper, is required for the **non-thesis** option. **A minimum of 17 hours of 6000-level course work is required for both the thesis and non-thesis options.** Any 6000-level course offered as a graded course must be taken on a graded basis. Students pursuing either thesis or non-thesis option may select from the following research concentrations: Geographic Information Science and Remote Sensing; Environmental and Earth Systems; Geomorphology; Human Spatial Systems; Planning and Development; Geography Education.

Thesis Option:

Required Geography		
GEOG 6010	Geographic Research Methods	3
GEOG 6550	Seminar (History of Geographic Thought)	3
GEOG 6299	Research	6
Electives *		**21**
Total Hours		**33**

* At least 12 of the 21 hours must be in geography; at least 3 of the 18 hours must be at the 6000-level; cannot include GEOG 6598; additional hours of GEOG 6299 cannot count toward the minimum 21 elective hours.

Non-Thesis Option:

Required Geography		
GEOG 6010	Geographic Research Methods	3
GEOG 6550	Seminar (History of Geographic Thought)	3
GEOG 6598	Directed Research Project	3
Electives *		**27**
Total Hours		**36**

* At least 15 of the 27 hours must be in geography; at least 6 of the 27 hours must be at the 6000-level; cannot include GEOG 6299.

Each student's program (beyond the required core courses) will be determined by individual needs in consultation with their graduate advisor and the graduate coordinator. For the thesis option, an oral thesis defense is required. For the non-thesis option, a final presentation of the research paper is required.

Program Certificate

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual

has completed a program approved by the university. For information on the following program certificate, contact the Department of Geography or the Office of the Registrar, which serves as the centralized registry.

Certificate in Crime Mapping and Analysis

This interdisciplinary certificate provides students with both theoretical and applied training in spatial mapping and the analysis of crime data. This program certificate is offered jointly by the Department of Geography and the Departmnt of Sociology, Anthropology and Criminology.

Required		
Criminology:		
CRIM 2134	Crime Analysis	3
CRIM 3400	Police and Society	3
Geography:		
GEOG 2410	Geographic Information Systems I	3
GEOG 4310/5310	GIS Applications: (Variable Topic)	3
or GEOG 4335/5335	Web Mapping and GIS	
Sociology:		
SOC 1000	Introduction to Sociology	3
SOC SCI 2020	Social Sciences Statistics	3
or STAT 1772	Introduction to Statistical Methods	
Total Hours		**18**

Certificate in Geographic Information Systems (GIS) and Cartography

The Certificate in Geographic Information Systems (GIS) and Cartography is designed to give the student a substantial background in the fields of geographic information systems and digital cartography. Students completing the program will be familiar with the terminology, techniques and theory of GIS and cartography. Hands-on computer experience is a major feature of many of the courses. The program complements majors in disciplines other than geography while increasing the geography major's preparation for the job market.

May be taken at **graduate** and **undergraduate** levels. The student must earn a grade point average of at least 3.00 in the courses taken for the certificate. It is the responsibility of the student to notify the Head of the Department of Geography during or immediately after the semester in which the course requirements will be or have been completed. Up to 3 credits can be transferred from another institution. For graduate credit GEOG 2410 can be substituted with GEOG 6286 Studies in GIS.

Required		
Geography:		
GEOG 2410	Geographic Information Systems I	3
or		
GEOG 6286 Studies in: GIS		
GEOG 3410	Geographic Information Systems II	3
GEOG 2420	Cartographic Design	3
Electives		**6**

Select two of the following:

Geography:		
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 4335/5335	Web Mapping and GIS	
GEOG 3778/5778	Spatial Data Analysis	
GEOG 3450	Global Positioning System Field Survey Methods	
GEOG 3380	Remote Sensing of the Environment	
GEOG 4380/5380	Satellite Image Processing	
GEOG 4385/5385	Advanced Unmanned Aerial Systems Mapping	
GEOG 4390/5390	GIS Programming	
Total Hours		**15**

Certificate in Unmanned Aerial Systems

Required		
GEOG 2320	Drones for Mapping and Communication	3
or GEOG 6286 (Studies in: Drones for Mapping and Communication)		
GEOG 3380	Remote Sensing of the Environment	3
GEOG 4385/5385	Advanced Unmanned Aerial Systems Mapping	3
Electives (select two of the following)		**6-7**
GEOG 4310/5310	GIS Applications: (Variable Topic) *	
GEOG 3450	Global Positioning System Field Survey Methods	
GEOG 4380/5380	Satellite Image Processing	
GEOG 4390/5390	GIS Programming *	
ANTH 3450	Archaeological Fieldwork *	
EARTHSCI 3345/534	Environmental Geology *	
BIOL 4168/5168	Ecology *	
Total Hours		**15-16**

* These courses have prerequisites as follows:
GEOG 4310/5310 has prerequisites GEOG 2410 and junior standing.
GEOG 4390/5390 has prerequisites GEOG 2410 and GEOG 4310/5310 or GEOG 3410 or consent of instructor.
ANTH 3450 has prerequisite ANTH 1001.
EARTHSCI 3345/5345 has prerequisites EARTHSCI 1300 or equivalent and junior standing.
BIOL 4168/5168 has prerequisites BIOL 3100 and BIOL 3140 and junior standing.

Department of Health, Recreation and Community Services

(College of Education)

https://coe.uni.edu/hrcs

The Department of Health, Recreation and Community Services offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within the Department of Health, Recreation and Community Services, in the following order. **(Note:** The Doctor of Education Intensive Study Area in Allied Health, Recreation, and Community Services is under the College of Education and is listed below.)

College of Education -

- **Graduate Major (Ed.D.)**
  - Doctor of Education: Allied Health, Recreation, and Community Services intensive study area (p. 232)

(for all requirements for Doctor of Education see website www.uni.edu/catalog/collegeofeducation)

Interdisciplinary ***(***p. 233***) -***

- **Undergraduate Major (B.A.)**
  - Environmental Resource Management (p. 233) (also listed in Department of Biology, Department of Earth and Environmental Sciences and Department of Geography)

Recreation, Tourism and Nonprofit Leadership ***(***p. 237***) -***

- **Undergraduate Major (B.A.)**
  - Recreation, Tourism and Nonprofit Leadership (p. 237)
- **Minor**
  - Recreation, Tourism and Nonprofit Leadership (p. 238)
- **Graduate Major (M.A.)**
  - Community Health and Recreation (p. 239)
- **Program Certificates**
  - Nonprofit Leadership (p. 240)
  - Outdoor Recreation (p. 240)
  - Tourism (p. 241)
  - Youth Work in Religious Settings (p. 241) (also listed in Department of Philosophy and World Religions)

Doctor of Education

The Doctor of Education Degree is one degree supervised through the College of Education. It can be completed with one of the following *Intensive Study Area* concentrations:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*
- *Educational Leadership*
- *Postsecondary Education: Student Affairs*

Students interested in the interdisciplinary Doctor of Education (Ed.D.) degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

This program is intended to provide practicing educators, informal and nonformal settings, the opportunity to continue their study and earn the terminal professional degree in their field. The Ed.D. degree requires a **minimum of 48 semester hours of credit beyond the master's degree**. There are three components to the program:

Professional Common Core (work in educational foundations, fundamentals, and research)	24
Advanced Professional Study (in one of three areas of intensive study)	15
Dissertation	9
Total Hours	**48**

By design, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice.

Note: Students interested in special education within the Curriculum and Instruction ISA or the Educational Leadership ISA should consult the respective ISA descriptions for further information.

In some areas, it is possible to combine doctoral degree study with work toward an endorsement to perform a particular role in K-12 education.

Brief definitions of the four ISAs follows:

Allied Health, Recreation, and Community Services

This area of intensive study is designed to provide students with advanced planning, management, supervision and evaluation of programs in the community and its institutions. The combined areas of allied health, recreation and community services are diverse professional areas knitted together by a unified commitment to enhancing, enriching and sustaining the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, or practitioners in public and environmental health departments, recreation and tourism industry; allied health and social services agencies; the military, government, and non-governmental agencies; religious organizations; libraries and museums; and civic and professional associations. The program of study will be based upon students' needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Head of the Department of Health, Recreation and community Services.)

Curriculum and Instruction

This area of intensive study is designed to prepare scholar practitioners to plan, implement, evaluate, and supervise educational programs for children, from infancy through adolescence, and adult learners, inclusive of a wide variety of diversity. Faculty in this intensive study area come from many departments and disciplines including, but not limited to, prekindergarten through tertiary curriculum and pedagogy; foundations of education in psychology, philosophy, social sciences; disability studies in education, gifted and talented, and multicultural education; literacy education; instructional technology, school library studies; and P-12 content areas such as mathematics, physical education, science, social studies, and language arts. Students interested in becoming special education scholar-practitioners to plan, implement, evaluate, and supervise educational programs for children and adult learners with an emphasis on inclusion and diversity will apply for admission through the Curriculum and Instruction Intensive

Study Area. For more information see www.uni.edu/coe/departments/curriculum-instruction/graduate-study/doctoral-study.

Educational Leadership

This area of intensive study in education administration prepares personnel for leadership positions in PK-12 schools, post-secondary institutions, and other educational services or settings. Typical positions held by educators with the terminal degree focused on educational leadership include: principals, superintendents, school district central office administrators, professors of educational leadership, special education directors at the Area Education Agency level or Department of Education administrators and consultants. Students interested in special education administration will apply for admission through Educational Psychology, Foundations, and Leadership Studies. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Postsecondary Education: Student Affairs

This area of intensive study in postsecondary education prepares personnel for leadership positions in colleges and universities. Typical positions held by educators with the terminal degree focused on postsecondary education include: department heads, directors, vice presidents, professors, and consultants. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Interdisciplinary

Bachelor of Arts Degree Program

Environmental Resource Management Major

The Environmental Resource Management major is aimed at students searching for career options in the broadly-defined 'outdoor environment' that are related to natural resources, environmental systems, and sustainable development. This program will prepare students for careers in the environmental and human management of public and private spaces across differing categories of environmental systems - from public parks and lands to conservancy units managed by governmental and other non-profit agencies and organizations. This program aims to serve those students who do not wish to pursue careers as environmental scientists *per se* from more tightly focused 'environmental science' programs.

- *STUDENTS ARE REQUIRED TO TAKE THE CORE REQUIREMENTS (31 HOURS) AND MAY CHOOSE ONLY ONE OF THE FOUR SPECIALIZATION TRACKS (30-32 HOURS).*
- *Each track is composed of clusters of courses with a specific concentration, each of which has a separate hourly requirement.*
- *For purposes of this degree program, those prerequisite courses required by BIOL, EARTHSCI, GEOG, and RTNL for mid/upper-level courses in each Track THAT ARE NOT INCLUDED IN THE CORE REQUIREMENTS will normally be waived by the appropriate departments.*
- *The separate tracks allow students to specialize in the area of most general interest while the primary & secondary foci within each track make sure students also are exposed to a wide range of important auxiliary coursework.*
- *A student with a major in the interdisciplinary B.A. Environmental Resource Management: Ecosystems Track may not declare another major or minor in biology.*
- *By permission of the Provost's Office, students enrolled in the B.A. Environmental Resource Management major will be considered majors in all four of the participating departments.*

Core Requirements

BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science *	3
CHEM 1110	General Chemistry I	4
EARTHSCI 1300	Introduction to Geology	4
or		
GEOG 1210 & GEOG 1211	Planet Earth and Planet Earth Laboratory	
EARTHSCI 3330/5330	Geomorphology	4
GEOG 2260	Environmental Resource Management	3
GEOG 2410	Geographic Information Systems I	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
HIST 4170/5170	U.S. Environmental History	3
Total Hours		**31**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive the BIOL 2052 and CHEM 1120 prerequisites for enrollment into BIOL 3100.

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Department of Geography)

- Sustainability (Interdisciplinary)

- Outdoor Recreation (Department of Health, Recreation and Community Services)

- Tourism (Department of Health, Recreation and Community Services)

- Nonprofit Management Certificate (Department of Health, Recreation and Community Services)

- Environmental Health Certificate (Department of Health, Recreation and Community Services)

- Public History (Department of History)

Ecosystems Track

A total of 32 hours are needed for this track. There are 12 hours of required courses. In addition, student select courses from all three elective categories (A, B, & C) to accumulate to a minimum of 20 hours. At least one course must be taken from each elective category.

Required		
BIOL 4168/5168	Ecology **	4
CHEM 1120	General Chemistry II §	4
MATH 1140	Precalculus	3-4
or STAT 1772	Introduction to Statistical Methods	
Electives:		**20**
Category A - Content Management Related Courses (pick at least 1 course)		
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4108/5108	Biodiversity Conservation Policy **	
BIOL 4167/5167	Conservation Biology **	
BIOL 4180/5180	Restoration Ecology **	
Category B - Content Related Courses (pick at least 1 course)		
BIOL 3112	Invertebrate Zoology *	
BIOL 3118	Marine Biology *	
BIOL 3160	Field Zoology of Vertebrates *	
BIOL 3170	Entomology *	
BIOL 4157/5157	Biostatistics **	
BIOL 4164/5164	Mammalogy **	
BIOL 4166/5166	Plant Systematics **	
BIOL 4172/5172	Developmental Plant Anatomy **	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 3410	Geographic Information Systems II	
Category C - Cognates (pick at least 1 course)		
EARTHSCI 1200	Elements of Weather	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2240	Natural Hazards and Disasters	
GEOG 2270	Science of Scenery	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 343	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
GEOG 3220	Environmental Geography: Variable Topic ^	
GEOG 3380	Remote Sensing of the Environment	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4240/5240	The Ice Age ^	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
MGMT 3183	Leadership Skills ^	
MGMT 3185	Project Management ^	
RTNL 2120	Foundations of Tourism	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL/HIST 4556	History of Outdoor Recreation	
Total Hours		**31-32**

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 and CHEM 1120 for BIOL 3000-level courses.

** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 as a prerequisite for BIOL 4000-level courses.

§ Students pursuing the Ecosystems track can take CHEM 1110 and CHEM 1120 (8 credits) OR CHEM 1130 (5 credits). CHEM 1130 is designed for students with exceptional preparation in Chemistry. Taking CHEM 1130 changes the total degree requirement from 62-63 credit hours to 59-60 credit hours.

^ These courses have additional prerequisites as follows:
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
GEOG 4240/5240 has prerequisites of GEOG 1210; GEOG 2210; EARTHSCI 1300; or consent of instructor; junior standing.
MGMT 3183 has a prerequisite of MGMT 3965/5965.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4320 has prerequisites of three (3) credit hours of RTNL 31XX; junior standing. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive the prerequisites of 3 hours of RTNL 31XX.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Geosystems Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Electives		
Primary Focus - Content Related Courses		**21**
EARTHSCI 1200	Elements of Weather	
EARTHSCI 3350/535	Environmental Hydrology ^	
EARTHSCI 3322	Earth Materials ^	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2240	Natural Hazards and Disasters	
GEOG 3220	Environmental Geography: Variable Topic * ^	
or		
EARTHSCI 3345/534	Environmental Geology ***	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 3380	Remote Sensing of the Environment	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
Secondary Focus - Management Cognates		**9**
BIOL 4105/5105	Wildlife Ecology and Management **	
BIOL 4180/5180	Restoration Ecology **	
EARTHSCI 3325/532	Sedimentary Geology ****	
EARTHSCI 3360/536	Field and Laboratory Methods in Hydrology	
ECON 3225/5225	Environmental Economics ^	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers ^	
GEOG 4170/5170	Climate Action Planning	
GEOG 4240/5240	The Ice Age *	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic) ^	
GEOG 3410	Geographic Information Systems II	
RTNL 2120	Foundations of Tourism	
RTNL/HIST 4556	History of Outdoor Recreation	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
MGMT 3185	Project Management ^	
POL AMER 3172	Public Budgeting ^	
BIOL 3179	Cooperative Education ^	
or GEOG 3179	Cooperative Education in Geography	
or EARTHSCI 3430	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**30**

* * For students pursuing the Geosystems Track, the Geography Department will accept GEOG 1210 and GEOG 1211 or EARTHSCI 1300 as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 and GEOG 3410.

** ** The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4105/5105 and BIOL 4180/5180.

*** *** The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as substitutes for courses that require EARTHSCI 1300.

**** **** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 for EARTHSCI 3325/5325.

\# # The Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for RTNL 4776/5776.

^ ^ These courses have additional prerequisites as follows:
EARTHSCI 3322 has a prerequisite of EARTHSCI 1300.
EARTHSCI 3350/5350 has prerequisites of EARTHSCI 1300; junior standing.
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
ECON 3225/5225 has prerequisites of ECON 1041, ECON 1051; junior standing.
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
GEOG 4310/5310 has prerequisites of GEOG 2410; junior standing.
GEOG 3410 has prerequisites of GEOG 2410 or consent of instructor; junior standing.
POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Resource Administration Track

A total of 30 hours are needed for this track, with a minimum of 21 hours from the Primary Focus group and 9 hours from the Secondary Focus group.

Primary Focus - Content Related Courses		**21**
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 4170/5170	Climate Action Planning	
GEOG 2240	Natural Hazards and Disasters	

PH 3720/5720	Environmental and Occupational Health Regulations	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 3337	Human Resource Development for Recreation, Tourism and Nonprofit Leadership	
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
RTNL/HIST 4556	History of Outdoor Recreation	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
Secondary Focus - Cognates		**9**
BIOL 4167/5167	Conservation Biology **	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 4250/5250	Laboratory Methods in Environmental Geography	
GEOG 2270	Science of Scenery	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
GEOG 3410	Geographic Information Systems II	
GEOG 3380	Remote Sensing of the Environment	
ENGLISH 4775/5775	Applied Writing: Specialized Documents ^	
or ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	
PH 3710/5710	Environmental Health Science	
RTNL 2120	Foundations of Tourism	
RTNL 4552/5552	Theory and Practice of Outdoor Education	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4779/5779	Community Planning Workshop	
MGMT 3185	Project Management ^	
POL AMER 3172	Public Budgeting ^	
GEOG 3179	Cooperative Education in Geography ^	
or BIOL 3179	Cooperative Education	
or EARTHSCI 3430	Internship	
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	
or PH 4180	Internship	
Other courses as approved by advisors and program director		
Total Hours		**30**

* * The Biology Department will waive BIOL 3140 as a prerequisite for BIOL 4167/5167.

** ** The Geography Department and the Department of Health, Recreation and Community Services will waive RTNL 2120 as a prerequisite for enrollment into RTNL 4310/5310.

^ ^ These courses have additional prerequisites as follows:
RTNL 4776/5776 has prerequisites of RTNL 2120 or consent of instructor; junior standing.
ENGLISH 4775/5775 has prerequisites of MGMT 2080 or ENGLISH 2770 or consent of instructor; junior standing.
ENGLISH 4785/5785 has prerequisites of ENGLISH 2770 or consent of instructor; junior standing.
POL AMER 3172 has prerequisites of POL AMER 1014; POL AMER 1048.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Environmental Compliance Track

A total of 32 hours need for this focus area, with 15 hours of required courses, a minimum of 10 hours from the Primary Focus group and 7 hours from the Secondary Focus group.

Required		
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
ECON 3225/5225	Environmental Economics	3
PH 3720/5720	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3
Primary Focus - Content Related Courses		**10**
EARTHSCI 1200	Elements of Weather	
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3230/523	Air Quality ^	
EARTHSCI 3345/5345	Environmental Geology *	
or		
GEOG 3220	Environmental Geography: Variable Topic	
EARTHSCI 3350/535	Environmental Hydrology *	
Secondary Focus - Cognates		**7**
EARTHSCI 3240/524	Air Quality Modeling ^	
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality ** ^	
EARTHSCI 3325/532	Sedimentary Geology ***	
EARTHSCI 3355/5355	Hydrogeology *	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	

GEOG 3380	Remote Sensing of the Environment
PH 3710/5710	Environmental Health Science
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment
MGMT 3153	Organizational Management *
MGMT 3185	Project Management ^
POL AMER 1048	Current and Emerging Issues in Public Administration
GEOG 3179	Cooperative Education in Geography ^
or BIOL 3179	Cooperative Education
or EARTHSCI 343	Internship
or RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership
or PH 4180	Internship
Other courses as approved by advisors and program director	
Total Hours	**32**

* * The Earth and Environmental Sciences Department will accept GEOG 1210 and GEOG 1211 as a substitute for courses that require EARTHSCI 1300.

** ** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 as a prerequisite for enrollment into EARTHSCI 3250/5250.

*** *** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 for EARTHSCI 3325/5325.

^ ^ These courses have additional prerequisites as follows:
GEOG 3220 has a prerequisite of GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor.
EARTHSCI 3240/5240 has prerequisites of EARTHSCI 1200; junior standing.
EARTHSCI 3250/5250 has prerequisites of EARTHSCI 1200; junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230.
GEOG 3179 has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
RTNL 4510 has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of RTNL 4520. For students pursuing the Environmental Resource Management major, the Department of Health, Recreation and Community Services will waive this corequisite.
PH 4180 has prerequisites of PH 3170; senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences.

Recreation, Tourism and Nonprofit Leadership

Academic Policies

Major Requirements

The following criteria shall be used to determine student eligibility for the Recreation, Tourism and Nonprofit Leadership major:

1. 2.00 or above cumulative UNI GPA.
2. A grade of C (2.00) or higher in all courses applied to the major. If the student earns less than a C in a major course, s(he) must retake the course within two semesters in order to apply it to the major.

In order to remain in good academic standing, students must maintain a cumulative major GPA of 2.50 or above. Students whose GPAs fall below 2.50 will have one semester in which to raise grades to the required level. If they are unable to do so, they must retake the course or courses that caused the GPA to fall below 2.50, and they will be administratively dropped from any other major courses for which they have registered.

In order to be eligible for internship and graduation, students must:

1. Meet the academic criteria above.
2. Complete a minimum of 500 Professional Experience hours in Recreation, Tourism and Nonprofit Leadership settings.
3. Hold or obtain current certification in American Red Cross CPR PRO (Professional Rescuer), American Red Cross AED (Automatic External Defibrillation), American Red Cross First Aid, American Red Cross PDT (Prevention of Disease Transmission), and Child/Dependent Adult Abuse Mandatory Reporter Training.

Minor Requirements

Admission to the Recreation, Tourism and Nonprofit Leadership minor requires students to have a cumulative UNI GPA of 2.00. To graduate with a minor in Recreation, Tourism and Nonprofit Leadership, students must have a minor GPA of 2.50, with a grade of C (2.00) or higher in all courses applied to the minor. Students must officially declare the minor.

Bachelor of Arts Degree Program

Recreation, Tourism and Nonprofit Leadership Major

The Recreation, Tourism and Nonprofit Leadership major requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Recreation, Tourism and Nonprofit Leadership major prepares students to deliver programs and manage facilities designed to meet human, community, and social needs in public, governmental, and nonprofit community agencies. Graduates may find employment in agencies that serve people of all ages from diverse backgrounds in areas such as municipal parks and recreation, commercial recreation, tourism, outdoor recreation, therapeutic recreation (clinical and community-based settings), the nonprofit and youth serving agencies, armed forces recreation, campus recreation, and other leisure service delivery sectors. The major focuses on direct service programming

with an emphasis on supervisory and managerial skills. The Recreation, Tourism and Nonprofit Leadership program is accredited by COAPRT.

Recreation, Tourism and Nonprofit Leadership:		
Select four of the following courses:		12
RTNL 2110	Foundations of Community Parks and Recreation	
RTNL 2120	Foundations of Tourism	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 2140	Foundations of Outdoor Recreation	
RTNL 2150	Foundations of Youth Work	
RTNL 2160	Foundations of Therapeutic Recreation	
Required:		
RTNL 3110	Management and Human Resources in Recreation, Tourism and Nonprofit Leadership	3
RTNL 3120	Programming for Recreation, Tourism and Nonprofit Leadership	3
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4330/5330	Research and Evaluation in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4340	Seminar in Recreation, Tourism and Nonprofit Leadership	3
or HRCS 4000	Professional Readiness Seminar	
RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	9
RTNL 4520	Senior Project in Recreation, Tourism and Nonprofit Leadership	3
Select nine hours from the following:		9
RTNL 2210	Nonprofit Leadership Practicum, Level I	
RTNL 3280	Readings in Recreation, Tourism and Nonprofit Leadership	
RTNL 3340	Prevention & Intervention Programs in Youth Work	
RTNL 3777/5777	Special Events Management	
RTNL 3778/5778	Community Based Tourism	
RTNL 3991/5991	Philosophical Ideologies of Therapeutic Recreation	
RTNL 4210/5210	Nonprofit Leadership Practicum, Level II *	
RTNL 4290/5290	Recreation, Tourism and Nonprofit Leadership Field Experience	
RTNL 4552/5552	Theory and Practice of Outdoor Education	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
RTNL 4556/5556	History of Outdoor Recreation	
RTNL 4621/5621	Camp Staff Development	
RTNL 4623/5623	Field Experience in Camp Counseling	
RTNL 4625/5625	Camp Management Systems	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
RTNL 4779/5779	Community Planning Workshop	
RTNL 4995/5995	Assessment, Programming and Evaluation in Therapeutic Recreation	
RTNL 4996/5996	Intervention Techniques in Therapeutic Recreation	
RTNL 4997/5997	Administrative Practices in Therapeutic Recreation	
RTNL 4998/5998	Technology, Cross-Cultural, and Evidence-based Practices in Therapeutic Recreation	
Total Hours		**54**

* RTNL 4210/5210 has a prerequisite of RTNL 2210.

Minor

For Academic Policies regarding minors within Recreation, Tourism and Nonprofit Leadership see Minor Requirements.

Recreation, Tourism and Nonprofit Leadership Minor

Required:		
Select six (6) credit hours from the following:		6
RTNL 2110	Foundations of Community Parks and Recreation	
RTNL 2120	Foundations of Tourism	
RTNL 2130	Foundations of the Nonprofit Sector	
RTNL 2140	Foundations of Outdoor Recreation	
RTNL 2150	Foundations of Youth Work	
RTNL 2160	Foundations of Therapeutic Recreation	

RTNL 2210	Nonprofit Leadership Practicum, Level I	
Select six (6) credit hours from the following:*		6
RTNL 3110	Management and Human Resources in Recreation, Tourism and Nonprofit Leadership	
RTNL 3120	Programming for Recreation, Tourism and Nonprofit Leadership	
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership	
RTNL 3777/5777	Special Events Management	
RTNL 3778/5778	Community Based Tourism	
RTNL 3991/5991	Philosophical Ideologies of Therapeutic Recreation	
Select six (6) credit hours from the following:*		6
RTNL 3340	Prevention & Intervention Programs in Youth Work	
RTNL 4210/5210	Nonprofit Leadership Practicum, Level II	
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	
RTNL 4330/5330	Research and Evaluation in Recreation, Tourism and Nonprofit Leadership	
RTNL 4552/5552	Theory and Practice of Outdoor Education	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
RTNL 4556/5556	History of Outdoor Recreation	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
RTNL 4779/5779	Community Planning Workshop	
RTNL 4995/5995	Assessment, Programming and Evaluation in Therapeutic Recreation	
RTNL 4996/5996	Intervention Techniques in Therapeutic Recreation	
RTNL 4997/5997	Administrative Practices in Therapeutic Recreation	
RTNL 4998/5998	Technology, Cross-Cultural, and Evidence-based Practices in Therapeutic Recreation	
Total Hours		**18**

* Prerequisites waived for non-Recreation, Tourism and Nonprofit Leadership majors.

Master of Arts Degree Program

Major in Community Health and Recreation

The Master of Arts degree in Community Health and Recreation prepares students for leadership roles in a variety of settings including the public/government, academic, non-profit, and corporate sectors. Upon program completion, graduates will possess the skills necessary for effective and efficient delivery of community health and recreation programs. The program supports professional development through the utilization of relevant philosophy, content, and research skills and offers the student the opportunity to take an active role in determining personal learning objectives and developing individual programs of study. Students can design programs of study for work in campus recreation, health education, nonprofit management, community recreation, public health, tourism, and outdoor resource management. Students are encouraged to focus on study that has direct relevance to professional practice.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Health, Recreation and Community Services for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) is not required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available with both thesis and non-thesis options. A minimum of 33 semester hours is required, with a minimum of 12 hours at the 6000-level, exclusive of HRCS 6299. The thesis option requires 6 hours of HRCS 6299. The non-thesis option requires a research paper for 3 hours of HRCS 6299. Additional hours may be required, if upon entering the graduate program, the student needs background courses.

Required:		
PH 3310/5310	Cultural Competency for the Helping Professions	3
HRCS 6000	Foundations of Community Health and Recreation	3
KAHHS 6210	Quantitative Methods in KAHHS	3
KAHHS 6290	Research Methods for KAHHS	3
One of the following:		3
RTNL 6201	Social Policy and Issues in Recreation, Tourism and Nonprofit Leadership	
RTNL 6202	Social Psychology of Leisure	
Required:		
HRCS 6299	Research	3 or 6
Thesis option (6 hrs.)		

Non-thesis option (3 hrs.)		
Electives (select 15 hours from the following for non-thesis track or 12 hours for the thesis track)		
PH 3320/5320	Global Service Mission	
PH 3330/5330	Minority Health	
PH 3140/5140	Planning and Evaluating Public Health Programs	
PH 4393/5393	Epidemiological Methods, Research Design, and Analysis	
PH 3640/5640	Worksite Health Promotion	
PH 3660/5660	Public Health Theory	
PH 3340/5340	International Health	
PH 3710/5710	Environmental Health Science	
PH 3720/5720	Environmental and Occupational Health Regulations	
PH 3730/5730	Toxins and Health	
PH 6220	Health Determinants	
RTNL 6402	Strategic Program Management	
RTNL 6404	Marketing the Youth/Human Service Agency	
RTNL 6408	Financial Decision Making for Youth/Human Service Agencies	
RTNL 6412	Management Issues in Recreation, Tourism and Nonprofit Leadership	
RTNL 6414	Models for Intervention With Youth	
RTNL 6416	Youth Development in Nonprofit Organizations	
RTNL 6418	Personnel Management and Supervision in Youth/Human Services	
Total hours thesis option		**33**
Total hours non-thesis option		**33**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Health, Recreation and Community Services or the Office of the Registrar, which serves as the centralized registry.

Nonprofit Leadership Certificate

This certificate provides knowledge, skill-building and professional experience for students interested in working in the nonprofit sector. Earning this certificate at UNI also enables students to earn a national certificate in Nonprofit Management from Nonprofit Leadership Alliance.

Students interested in this certificate should contact the Department of Health, Recreation and Community Services (319-273-2141).

Required:		
RTNL 2130	Foundations of the Nonprofit Sector	3
RTNL 2210	Nonprofit Leadership Practicum, Level I	2
RTNL 3110	Management and Human Resources in Recreation, Tourism and Nonprofit Leadership	3
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
or ACCT 2120	Principles of Financial Accounting	
Total Hours		**14**

Outdoor Recreation Certificate

The Outdoor Recreation Certificate program is designed to train students for professional employment in the varied and growing field of outdoor recreation and adventure education. This program offers students the opportunity to develop skills in a variety of outdoor recreation activities while studying the theories, trends and issues involved in working with groups, facilitating adventure education, and managing the impacts of recreation on our natural environment. The Certificate in Outdoor Recreation is available to students in all majors.

Required:		
Recreation, Tourism and Nonprofit Leadership:		3
RTNL 2140	Foundations of Outdoor Recreation	
Select 9 credits from the following:		9
Recreation, Tourism and Nonprofit Leadership:		
RTNL 4552/5552	Theory and Practice of Outdoor Education	
RTNL 4553/5553	Trends and Issues in Outdoor Recreation *	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
RTNL 4556/5556	History of Outdoor Recreation	
Select 3 credits from the following:		3
Athletic Training		
AT 1018	Prevention and Care of Athletic Injuries *	
AT 1019	Prevention and Care Laboratory *	
Kinesiology, Allied Health and Human Services:		

KAHHS 1020	Dimensions of Wellbeing Lecture (Adventure Recreation Concepts and Wellness, Enjoying the Great Outdoors, Wellness through Aquatics*)	
KAHHS 1030	Dimensions of Wellbeing Lab (Backpacking Lab, Bike Conditioning Lab, Canoeing Lab, Rock Climbing Lab, Skin and Scuba Lab, Winter Skills Lab*)	
Recreation, Tourism and Nonprofit Leadership:		
RTNL 1A03 Backpacking		
RTNL 1A39 Canoeing		
RTNL 1A66 Skin and Scuba		
RTNL 1A70 Rock Climbing		
RTNL 1A81 Ice Climbing		
RTNL 1B19 Winter Skills		
RTNL 1B21 Bike Conditioning		
RTNL 4290/5290	Recreation, Tourism and Nonprofit Leadership Field Experience	
Total Hours		**15**

* Students can only take one lecture (KAHHS 1020) and one lab (KAHHS 1030). If students have completed the Dimensions requirements, students can then enroll in the above RTNL activity courses that are listed as RTNL 1AXX or 1BXX.

* AT 1018 has a prerequisite of KINES 2050.
AT 1019 has a prerequisite of AT 1018.

Tourism Certificate

The Tourism Certificate is administered by Leisure, Youth and Human Services within the Department of Health, Recreation and Community Services, College of Education. For information on this program certificate, contact Leisure, Youth and Human Services, Tourism Advisor, 203 WRC.

Required:

Recreation, Tourism and Nonprofit Leadership:		6
RTNL 2120	Foundations of Tourism	
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership	
Select three courses from the following:		
Recreation, Tourism and Nonprofit Leadership:		9
RTNL 3777/5777	Special Events Management	
RTNL 3778/5778	Community Based Tourism	
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
RTNL 4779/5779	Community Planning Workshop	
Total Hours		**15**

* If student has successfully completed MKTG 2110 Principles of Marketing, this course can be substituted for RTNL 3130 Marketing in Recreation, Tourism and Nonprofit Leadership.
RTNL 3130 prerequisites waived for non-Recreation, Tourism and Nonprofit Leadership majors
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Youth Work in Religious Settings Certificate

The Youth Work in Religious Settings Certificate interdisciplinary program is jointly offered by the Recreation, Tourism and Nonprofit Leadership program within the Department of Health, Recreation and Community Services and the Department of Philosophy and World Religions. The Youth Work in Religious Settings Certification Program prepares students for work in a variety of religious organizations and contexts.

Required:

Philosophy and World Religions:		
RELS 1020	Religions of the World	3
Recreation, Tourism and Nonprofit Leadership:		
RTNL 2150	Foundations of Youth Work	3
RTNL 3120	Programming for Recreation, Tourism and Nonprofit Leadership	3
RTNL 3340	Prevention & Intervention Programs in Youth Work	3
Electives (choose two from the following):		6
RELS 1510	Religion, Ethics, and Film	
RELS/PHIL 1540	Ethics in Business	
RELS 2001	Old Testament and Other Hebrew Scriptures	
RELS 2002	New Testament and Early Christian Writings	
RELS 2100	Great Living Religions: Hinduism and Buddhism	
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	
RELS 2120	Great Living Religions: Judaism and Islam	
RELS 2130	Great Living Religions: Christianity	
RELS/PHIL 2140	Philosophy of Religion	
RELS 2220	Faith and Reason: Philosophy in the Middle Ages	
RELS/PHIL 2550	Environmental Ethics	
RELS/PHIL 2570	Good Sex: The Ethics of Human Sexuality	
RELS/PHIL 3110/ CAP 3194	Perspectives on Death and Dying	
RELS 3120	Myth and Symbol	
RELS 3140	Religion and Its Critics	
RELS 3150	Women and Christianity	

RELS/CAP 3157	Monsters, Vampires, and Religion: An Awesome Alliance	
RELS 3180	Religion and Politics: (Topics)	
RELS 3500	Religion and Ethics	
RELS/PHIL 3510/ CAP 3173	Bio-Medical Ethics	
RELS 4230/ HIST 4250/5250	Religion in America	
RELS 4490	Professional Development Seminar	
Total Hours		**18**

Department of History

(College of Social and Behavioral Sciences)

www.uni.edu/history

The Department of History offers the following undergraduate and graduate programs and program certificate. Specific requirements for these programs are listed within this Department of History section in the following order:

Undergraduate Majors (B.A.)

- History (p. 242)
  - Liberal Arts Track
  - Global Studies Track
- History-Teaching (p. 245)

Minors

- History (p. 246)
- Public History (p. 247)

Graduate Major (M.A.)

- History (p. 247)

Program Certificate

- Museum Studies (p. 248) (also listed in Department of Art)
- Public History (p. 249)

Bachelor of Arts Degree Programs

History Major

The History major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Global Studies track within the History major is intended for students with an interest in global history and transnational issues. It combines historical and interdisciplinary approaches with foreign language capacity to provide fundamental tools and skills to understand and compete in our globalized world. See statements on language proficiency other than English below, and the two highly recommended components of the Global Studies track - Study Abroad and the Certificate in Nonprofit Leadership.

Liberal Arts Track

Required:		
History Core		
HIST 1010	Introduction to Historical Skills	3
HIST 1011	Field Experience: Public History (this course must be taken immediately after major is declared) *	1
HIST 1110	United States History to the Civil War and Emancipation	3
HIST 1120	United States History since the Civil War and Emancipation	3
HIST 1210	Making the Modern World	3
HIST 4000	Senior Seminar in Advanced Historical Skills	3
Electives in History		21
Electives must include at least one course in US History and one in World History. The remaining five courses can come from either category. One course must be in the pre-1600 category.		
US History Electives (at least one class):		
HIST 2011	Engaging Sources: (Topic)	
HIST 4010/5010	Introduction to Public History	
HIST 4110/5110	American Colonial History	
HIST 4130/5130	The Early Republic, 1785-1850	
HIST 4140/5140	Civil War and Reconstruction	
HIST 4150/5150	Foundations of Modern America: The United States, 1877-1929	
HIST 4160/5160	U.S. History from 1929 to 1960	
HIST 4170/5170	U.S. Environmental History	
HIST 4175/5175	History on Film	
HIST 4180/5180	Recent United States History	
HIST 4200/5200	History of Iowa	
HIST 4235/5235	Popular Culture in the United States	
HIST 4245/5245	African-American History	
HIST 4250/5250	Religion in America	
HIST 4260/5260	United States Women's History	
HIST 4270/5270	American Indian History	
HIST 4280/5280	The American Radical Tradition	
HIST 4556/5556	History of Outdoor Recreation	
World History Electives (at least one class):		
HIST 3110	Conflict and Justice in History: (Topic)	
HIST 3210	Problems & Perspectives in Global History: (Topic)	
HIST 4310/5310	History of Ancient Greece	
HIST 4320/5320	History of Ancient Rome	
HIST 4330/5330	Greek and Roman Life and Culture	

HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World
HIST 4360/5360	Age of Absolutism and the Enlightenment
HIST 4420/5420	History of Ireland
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688
HIST 4480/5480	The Ancient Near East
HIST 4510/5510	Europe from the French Revolution to World War I
HIST 4520/5520	Europe from World War I to the Present
HIST 4610/5610	English History since 1688
HIST 4640/5640	Modern Mediterranean Europe: History and Culture
HIST 4650/5650	Modern Central and Eastern Europe
HIST 4660/5660	History of Imperial Russia
HIST 4670/5670	History of Soviet Russia
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present
HIST 4680/5680	Military History from Napoleon to the Present
HIST 4690/5690	Modern European Women's History
HIST 4720/5720	Modern Latin American History
HIST 4730/5730	African Kingdoms & Societies
HIST 4740/5740	Modern African History
HIST 4820/5820	Modern Middle East History
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE
HIST 4850/5850	Pre-Modern Chinese History
HIST 4860/5860	Modern Chinese History
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800
HIST 4880/5880	The Legacy of the Samurai: Japan since 1800
HIST 4910/5910	Global Studies: (Topic)
Pre-1600 History (at least one class - this class can also count as a World History elective):	
HIST 4310/5310	History of Ancient Greece
HIST 4320/5320	History of Ancient Rome
HIST 4330/5330	Greek and Roman Life and Culture
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World
HIST 4420/5420	History of Ireland
HIST 4480/5480	The Ancient Near East
HIST 4730/5730	African Kingdoms & Societies
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE
HIST 4850/5850	Pre-Modern Chinese History
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800
Total Hours	**37**

* Corequisite

Global Studies Track

Required:		
History Core		
HIST 1010	Introduction to Historical Skills	3
HIST 1011	Field Experience: Public History *	1
HIST 1110	United States History to the Civil War and Emancipation	3
HIST 1120	United States History since the Civil War and Emancipation	3
HIST 1210	Making the Modern World	3
HIST 4000	Senior Seminar in Advanced Historical Skills	3
Elective Courses		
Transnational Perspectives		**9**
HIST 3210	Problems & Perspectives in Global History: (Topic)	
HIST 4910/5910	Global Studies: (Topic)	
Non-US National/Regional Perspectives – choose two courses from the following:		**6**
HIST 4310/5310	History of Ancient Greece	
HIST 4320/5320	History of Ancient Rome	
HIST 4330/5330	Greek and Roman Life and Culture	
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages	
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World	
HIST 4360/5360	Age of Absolutism and the Enlightenment	
HIST 4420/5420	History of Ireland	
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688	
HIST 4480/5480	The Ancient Near East	

HIST 4510/5510	Europe from the French Revolution to World War I	
HIST 4520/5520	Europe from World War I to the Present	
HIST 4610/5610	English History since 1688	
HIST 4640/5640	Modern Mediterranean Europe: History and Culture	
HIST 4650/5650	Modern Central and Eastern Europe	
HIST 4660/5660	History of Imperial Russia	
HIST 4670/5670	History of Soviet Russia	
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	
HIST 4680/5680	Military History from Napoleon to the Present	
HIST 4690/5690	Modern European Women's History	
HIST 4720/5720	Modern Latin American History	
HIST 4730/5730	African Kingdoms & Societies	
HIST 4740/5740	Modern African History	
HIST 4820/5820	Modern Middle East History	
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE	
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE	
HIST 4850/5850	Pre-Modern Chinese History	
HIST 4860/5860	Modern Chinese History	
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800	
HIST 4880/5880	The Legacy of the Samurai: Japan since 1800	
Interdisciplinary Perspectives – choose three courses from the following:		**9**
COMM 4344/5344	Intercultural Communication	
COMM 4346/5346	Gender Issues in Communication	
EARTHSCI 1320	Earth History **	
FREN 3004	Introduction to Literature in French **	
FREN 4021/5021	Special Topics in Language and Culture **	
FREN 4022/5022	Special Topics in French Literature **	
FREN 4025/5025	Contemporary France **	
FREN 4028/5028	Special Topics in Francophone Literature **	
GEOG 2450	Regional Geography: (Variable Topic)	
GEOG 3110	Economic Geography	
GEOG 3220	Environmental Geography: Variable Topic	
GEOG 4110/5110	Cultural Geography	
GEOG 4120/5120	Demography and Population Geography	
PHIL/RELS 2550	Environmental Ethics	
POL COMP 1040	Comparative Politics	
POL COMP 3121	Terrorism and Insurgency	
POL COMP 3123	Nationalism	
POL COMP 3125	Politics of Nonviolence	
POL COMP 3135	Politics in Europe	
POL COMP 3162	Politics of East Asia	
POL COMP 3164	Russian Politics	
POL COMP 3165	African Politics	
POL COMP 3167	Latin American Politics	
POL INTL 1024	International Relations	
POL INTL 3126	Human Rights	
POL INTL 3143	International Law	
POL INTL 3145	International Organizations	
POL INTL 3119	Politics of the Global Economy	
POL INTL 3125	Politics of International Development	
RELS 1020	Religions of the World	
RELS 2100	Great Living Religions: Hinduism and Buddhism	
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	
RELS 2120	Great Living Religions: Judaism and Islam	
RELS 2130	Great Living Religions: Christianity	
SW/SOC SCI 1041	Global Social Work	
SOC 3045/5045	Social Inequality **	
SOC 3060/5060	Sociology of Culture **	
SOC 3080/5080	Immigration and Transnationalism **	
SOC 4071/5071	Feminist Theories in the Social Sciences **	
SPAN 3012	Survey of Spanish American Literature **	
SPAN 3018	Survey of Spanish Literature **	
SPAN 3020	Latin American Culture and Civilization **	
SPAN 3023	Culture and Civilization of Spain **	
SPAN 3031	Topics in Spanish American Literature and Culture: **	
SPAN 3035	Topics in Literature and Culture of Spain: **	
SPAN 4062/5062	Spanish American Literature: _____ **	
SPAN 4063/5063	Peninsular Literature: _____ **	
Total Hours		40***

*	Corequisite
**	Prerequisite(s) required
***	This program will require up to **six** hours of coursework in a language other than English beyond the minimum hours the **university's Foreign Language Competency** requirement if a student does not demonstrate a proficiency at the **fourth** semester level.

Statement on Foreign Language Competency:

Students must be able to demonstrate competence in a language other than English at the intermediate (second year) college level; however, foreign language study past the two-year requirement is highly recommended. Language proficiency may be achieved through high school and college study (two years of high school study equals one year of college-level study), transfer credit, study abroad, native or heritage knowledge, or a combination of the above. Students seeking to use four years of high school foreign language study to satisfy the language requirement will be required to complete a proficiency exam. Heritage speakers seeking to use their home/family language to satisfy the language requirement may be required to complete a proficiency exam.

Recommended: Study Abroad

History-Global Studies students are strongly encouraged to study abroad for a minimum of one semester. Courses taken abroad can be used to satisfy program requirements, and UNI financial aid can be applied to study abroad.

Recommended: Certificate in Nonprofit Leadership

If you are interested in employment in the non-profit sector the Certificate in Nonprofit Leadership may be a good complement to the History-Global Studies major. This certificate provides knowledge, skill-building and professional experience for students interested in working for non-governmental organizations (NGOs) and international non-governmental organizations (INGOs). Earning this certificate at UNI also will enable you to earn a national Certificate in Nonprofit Management from Nonprofit Leadership Alliance. See the UNI Catalog (Department of Health, Recreation, and Community Services) for certificate requirements.

Note: In order to graduate with a major in History, students must achieve a total major GPA of at least 2.50. Only courses with an earned grade of at least a C- will count toward the major.

History Major-Teaching

The History-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major leads to endorsements #158: 5-12 American History and #166: 5-12 World History.

Required:

Social Science		
SOCSCIED 2190	Introduction to Teaching Social Studies	1
SOCSCIED 4190	Methods of Teaching Social Studies	3
History Core		
HIST 1010	Introduction to Historical Skills (this course should be taken immediately after major is declared) *	3
HIST 1011	Field Experience: Public History (this course should be taken immediately after major is declared) *	1
HIST 1110	United States History to the Civil War and Emancipation	3
HIST 1120	United States History since the Civil War and Emancipation	3
HIST 1210	Making the Modern World	3
HIST 4000	Senior Seminar in Advanced Historical Skills	3
Electives in history		21
Must include 9 credit hours in US History and 12 credit hours in World History. One course must be in the pre-1600 category.		
United States History Electives (9 hours):		
HIST 2011	Engaging Sources: (Topic)	
HIST 4010/5010	Introduction to Public History	
HIST 4110/5110	American Colonial History	
HIST 4130/5130	The Early Republic, 1785-1850	
HIST 4140/5140	Civil War and Reconstruction	
HIST 4150/5150	Foundations of Modern America: The United States, 1877-1929	
HIST 4160/5160	U.S. History from 1929 to 1960	
HIST 4170/5170	U.S. Environmental History	
HIST 4175/5175	History on Film	
HIST 4180/5180	Recent United States History	
HIST 4200/5200	History of Iowa	
HIST 4220/5220	History of the American West	
HIST 4235/5235	Popular Culture in the United States	
HIST 4240/5240	History of American Thought	
HIST 4245/5245	African-American History	
HIST 4250/5250	Religion in America	
HIST 4260/5260	United States Women's History	
HIST 4270/5270	American Indian History	
HIST 4275/5275	United States Constitutional History	
HIST 4280/5280	The American Radical Tradition	
HIST 4556/5556	History of Outdoor Recreation	
World History Electives (12 hours):		
HIST 3110	Conflict and Justice in History: (Topic)	

HIST 3210	Problems & Perspectives in Global History: (Topic)
HIST 4310/5310	History of Ancient Greece
HIST 4320/5320	History of Ancient Rome
HIST 4330/5330	Greek and Roman Life and Culture
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World
HIST 4360/5360	Age of Absolutism and the Enlightenment
HIST 4420/5420	History of Ireland
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688
HIST 4480/5480	The Ancient Near East
HIST 4510/5510	Europe from the French Revolution to World War I
HIST 4520/5520	Europe from World War I to the Present
HIST 4610/5610	English History since 1688
HIST 4640/5640	Modern Mediterranean Europe: History and Culture
HIST 4650/5650	Modern Central and Eastern Europe
HIST 4660/5660	History of Imperial Russia
HIST 4670/5670	History of Soviet Russia
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present
HIST 4680/5680	Military History from Napoleon to the Present
HIST 4690/5690	Modern European Women's History
HIST 4720/5720	Modern Latin American History
HIST 4730/5730	African Kingdoms & Societies
HIST 4740/5740	Modern African History
HIST 4820/5820	Modern Middle East History
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE
HIST 4850/5850	Pre-Modern Chinese History
HIST 4860/5860	Modern Chinese History
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800
HIST 4880/5880	The Legacy of the Samurai: Japan since 1800
HIST 4910/5910	Global Studies: (Topic)

Pre-1600 History Electives (at least one class - this class can also count as a World History elective):

HIST 4310/5310	History of Ancient Greece
HIST 4320/5320	History of Ancient Rome
HIST 4330/5330	Greek and Roman Life and Culture
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World
HIST 4420/5420	History of Ireland
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688
HIST 4480/5480	The Ancient Near East
HIST 4730/5730	African Kingdoms & Societies
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE
HIST 4850/5850	Pre-Modern Chinese History
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800
Total Hours	**41**

* Corequisites

Note: Only courses with an earned grade of at least a C- will count toward the major. The History major may consider a minor in at least one other social science discipline.

Minors

History Minor

Electives in history	**18**
Choose any History course (at least 12 hours must be 3000/4000-level)	
Total Hours	**18**

HIST 1120 and at least one of the following are recommended electives to complete the History Minor:

HIST 4510/5510	Europe from the French Revolution to World War I	3
HIST 4520/5520	Europe from World War I to the Present	3
HIST 4610/5610	English History since 1688	3
HIST 4640/5640	Modern Mediterranean Europe: History and Culture	3
HIST 4650/5650	Modern Central and Eastern Europe	3
HIST 4660/5660	History of Imperial Russia	3
HIST 4670/5670	History of Soviet Russia	3
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	3

HIST 4680/5680	Military History from Napoleon to the Present	3
HIST 4690/5690	Modern European Women's History	3

Public History Minor

Required:		
History:		
HIST 1010	Introduction to Historical Skills	3
HIST 4010/5010	Introduction to Public History	3
Two history or related courses at the 3000-level or above		6
Select 6 hours from one or both of the following		6
HIST 3179 Cooperative Education		
HIST 4030/5030	Internship in Historical Studies	
Total Hours		**18**

Master of Arts Degree Program

Major in History

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of History for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate program, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The object of this program is to prepare students for either further graduate study, teaching at the secondary or community college level, or history-related careers in government, business or private research. This major is available on the **thesis** and **non-thesis: portfolio** options; a **minimum of 30 semester hours** is required for either option. **The thesis option requires a minimum of 18 hours of 6000-level course work, including a total of 6 hours of HIST 6299. The non-thesis option requires a minimum of 15 hours of 6000-level course work**. Both options require 4 graduate seminars (HIST 6050, HIST 6288, HIST 6289, and HIST 6030). Prospective majors must consult with the department head about further requirements prior to beginning their programs.

For the **thesis** option, students must present a proposal for the approval of their Faculty Committee; pass an oral defense of the thesis; and, depending on the research emphasis, may be required by the Committee to demonstrate competency in a second language. For the **non-thesis: portfolio** option, students must prepare a portfolio of work according to the specifications set by the department and an oral defense of the work.

Thesis Option

Required:		
HIST 6050	Historical Methods	3
HIST 6299	Research	6
HIST 6300	Writing	3
Students must take at least 1 of each of the following seminars (repeatable with different topics):		
HIST 6030	Research Seminar in History	3-6
HIST 6288	Seminar: Topics in History	3-6
HIST 6289	Readings Seminar in History	3-6
Electives:		
Any HIST 5000/6000-level (may take one course, up to 3 hours, outside the field of history)		0-9
Total hours		30

Non-Thesis Option: Portfolio

Required:		
HIST 6050	Historical Methods	3
HIST 6299	Research	3
HIST 6301	Portfolio	3-6
Students must take at least 1 of each of the following seminars (repeatable with different topics):		
HIST 6030	Research Seminar in History	3-6
HIST 6288	Seminar: Topics in History	3-6
HIST 6289	Readings Seminar in History	3-6
Electives:		
Any HIST 5000/6000-level (may take one course, up to 3 hours, outside the field of history)		0-12
Total hours		30

Public History Emphasis

This program is offered in conjunction with the thesis or non-thesis: portfolio option. A minimum of 30 semester hours is required of which at least 9 hours comprise public history for either option, as well as 4 graduate seminars (HIST 6050, HIST 6288, HIST 6289, and HIST 6030). The thesis option requires a minimum of 18 hours of 6000-level course work, including 6 hours of HIST 6299. The non-thesis option requires a minimum of 15 hours of 6000-level course work.

For the thesis option, students must present a proposal for the approval of their Faculty Committee; pass an oral defense of the thesis; and, depending on the research emphasis, may be required by the Committee to demonstrate competency in a second language. For the non-thesis: portfolio option, students must prepare a portfolio of work according to the specifications set by the department and pass an oral defense of the work.

Thesis Option (Public History Emphasis)

Required:		
HIST 5010	Introduction to Public History	3
HIST 5030	Internship in Historical Studies	6
HIST 6050	Historical Methods	3
HIST 6299	Research	6
HIST 6300	Writing	3
Students must take at least 1 of each of the following seminars (repeatable with different topics):		
HIST 6030	Research Seminar in History	3
HIST 6288	Seminar: Topics in History	3

HIST 6289	Readings Seminar in History	3
Total hours		30

Non-Thesis Option: Portfolio (Public History Emphasis)		
Requird:		
HIST 5010	Introduction to Public History	3
HIST 5030	Internship in Historical Studies	6
HIST 6050	Historical Methods	3
HIST 6299	Research	3
HIST 6301	Portfolio	3-6
Students must take at least 1 of each of the following seminars (repeatable with different topics):		
HIST 6030	Research Seminar in History	3-6
HIST 6288	Seminar: Topics in History	3-6
HIST 6289	Readings Seminar in History	3-6
Electives:		
Any HIST 5000/6000-level (may take one course, up to 3 hours, outside the field of history)		0-3
Total hours		30

Note: M.A. students must maintain a total major GPA of at least 3.0. If a student falls below the required 3.0 GPA, they will no longer be eligible to receive funding and can potentially be dismissed from the program. Students who enter the program on a probationary basis (a GPA under 3.0) must earn a total major GPA of at least 3.0 by the end of their first semester in the program.

Combined Degree Option

This program includes a combined-degree plan option (Undergraduate to Graduate Degree). It is available only to UNI History majors and allows such students to complete both degrees in five years (4+1) while sharing 12 graduate credit hours between both the undergraduate and graduate degree.

Requirements

To be considered for this program, students must have an accomplished academic record and apply to the program in 2 phases:

Phase 1:

1. Internal preliminary departmental procedure. Consult with the Graduate Coordinator for requirements for preliminary consideration. Students may need to submit: a statement, formal faculty endorsement, writing samples, etc.
2. Internal procedure deadline: Apply by October 15

Phase 2:

Formal online application to the Graduate College upon approval of Phase 1. Junior year or after completion of 75 credit hours.

GPA must be 3.0 or higher

Continuous Enrollment Requirement

- Students in the combined degrees program must maintain continuous and consecutive enrollment at UNI. Students who miss more than two half-semester terms will be withdrawn from the program.

Admission and Acceptance

- Students must submit an online application to the Graduate College during their junior year or at the completion of 75 undergraduate hours (whichever comes first).
- Students will receive formal notification of acceptance via email.

For further information: See UNI Graduate Catalog. Students enrolled in both graduate and undergraduate credit in the same term, Combined Degree Program (p. 95).

Program Certificate

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificate, contact the Department of History or the Office of the Registrar, which serves as the centralized registry.

Certificate in Museum Studies

The Museum Studies Certificate exposes students to the array of occupations in the museum industry and provides them the opportunity to add an experiential component to their academic education. The certificate is available to upper-division undergraduate and graduate students who have completed the introductory course, seminar, internship, and methods and elective courses in their field of study.

The Museum Studies Certificate complements the existing frameworks of department majors. Students will take two or three (depending on variable major requirements) classes (including HIST 4020/5020/ANTH 3440/5440 Introduction to Museum Studies and ARTHIST 4003/5003/HIST 4003/5003 Collections Care and Management hosted by UNI Gallery of Art and UNI Museum), as well as an internship with a community partner. These internships and electives for the Museum Studies Certificate may be counted towards their major electives and/or university electives. For example, Textile and Apparel requires internships as part of the major; the internship requirements of the MSC will complement that major requirement. HIST 4020/5020/ANTH 3440/5440 Introduction to Museum Studies and ARTHIST 4003/5003/HIST 4003/5003 Collections Care and Management with UNI Gallery of Art and UNI Museum will be available every year.

The introductory course is taught by faculty in the History department, the seminar in collections care and management is conducted through the Art department by UNI Gallery of Art in conjunction with UNI Museum. Department faculty liaisons in students' major departments define the methods and elective curricula and oversee their students' museum internships.

HIST 4020/ ANTH 3440/5440	Introduction to Museum Studies	3
HIST/ARTHIST 4003	Collections Care and Management	3
Major Department - External Museums Internship (see internship options below)		3-4

Major Department - Methods (see methods options below)		3-4
Major Department - Electives (see elective options below)		3-4
Total Hours		**15-18**

Internship Options:

(Internships are specific to each department and are conducted at an institution that identifies as a museum.)		
ANTH 4485	Anthropology Internship	3
ART 3179 Cooperative Internship		3
ART 4186/5186 Studies in:		3
BIOL 3179	Cooperative Education	3
EARTHSCI 3179 Cooperative Internship		3
HIST 3179 Cooperative Internship		3
HIST 4030/5030	Internship in Historical Studies	3
HIST 4186/5186 Studies in:		3
TEXDSGN 4195	Internship in Textile and Apparel	4
RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	3-4
Methods Options:		
ANTH 3450	Archaeological Fieldwork	3
ARTHIST 4000/5000	Research Methods and Writing in Art History	3
ART 4300/5300	Seminar: Critical Issues in Contemporary Art	3
BIOL 3106	Vertebrate Anatomy	4
BIOL 3112	Invertebrate Zoology	4
BIOL 3170	Entomology	3
BIOL 4164/5164	Mammalogy	4
BIOL 4166/5166	Plant Systematics	4
EARTHSCI 1100	Astronomy	3
EARTHSCI 3210/5210	Meteorology	4
EARTHSCI 3325/5325	Sedimentary Geology	4
HIST 4010/5010	Introduction to Public History	3
RTNL 4552/5552	Theory and Practice of Outdoor Education	3
TEXDSGN 2004	EuroAmerican Fashion Design History	3
Elective Options:		
ANTH 2018	Food and Culture	3
ANTH 2430	Bioarchaeology	3
ANTH 3202/5202	Human Biological Variation	3
ANTH 3501	Research Experience in Anthropology	3
ARTHIST: Any Art History 4000-level course		3
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science	3
BIOL 3106	Vertebrate Anatomy	4
BIOL 3112	Invertebrate Zoology	4
BIOL 3118	Marine Biology	3
BIOL 3120	Plant Diversity and Evolution	4
BIOL 3160	Field Zoology of Vertebrates	4
BIOL 3170	Entomology	3
BIOL 4164/5164	Mammalogy	4
BIOL 4166/5166	Plant Systematics	4
BIOL 4167/5167	Conservation Biology	3
CHEM 4310/5310	Instrumental Analysis	3
EARTHSCI 3110/5110	Observational Astronomy	2
EARTHSCI 3220/5220	Weather Analysis and Forecasting	3
EARTHSCI 3330/5330	Geomorphology	4
EARTHSCI 3340/5340	Oceanography	3
HIST: Any History 4000-level course		3
TEXDSGN 1002	Textile Science	3
RTNL 2130	Foundations of the Nonprofit Sector	3
RTNL 3121	Philosophical Foundations of Recreation, Tourism and Nonprofit Leadership	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
TEXDSGN 2007	Apparel Assembly and Technical Design	3

Certificate in Public History

This certificate is available to history majors and non-history majors who have completed a prescribed course of study within public history. This program exposes students to the array of opportunities available in the fields of public history and an opportunity to add an experiential component to their academic education. Individual curricula will be defined in consultation with the program's director.

Required

History		
HIST 4010/5010	Introduction to Public History	3
Two history or related courses at the 3000-level or above		6
Select 6 hours from one or both of the following:		6
HIST 3179 Cooperative Education		
HIST 4030/5030	Internship in Historical Studies	
Total Hours		**15**

Interdisciplinary Majors, Minors and Program Certificates

The university offers a variety of interdisciplinary curricula to meet the growing need and interest in work beyond collegiate division. The following undergraduate and graduate programs and program certificates are under the supervision and jurisdiction of several

committees, departments, or colleges as indicated. The programs include:

Undergraduate Major (B.A.S.)

- Criminal Justice (also listed in Department of Sociology, Anthropology and Criminology)
- Managing Business and Organizations (Continuing Education and Special Programs)

Undergraduate Majors (B.A.)/Minors

- General Studies Major (see Bachelor of Arts Degree and Minor Programs for specific major requirements)
- Individual Studies Major (see Bachelor of Arts Degree and Minor Programs for specific major requirements)
- Interactive Digital Studies Major (also listed in Department of Communication and Media)
- Interactive Digital Studies Minor (also listed in Department of Communication and Media)
- International Business Minor (also listed under College of Business)
- International Business Minor (Non-Business Majors) (also listed under College of Business)
- Liberal Studies, Bachelor of (see Undergraduate Degree Requirements section *Bachelor of Liberal Studies* for details)
- Russian and East European Studies Minor (see Bachelor of Arts Degree and Minor Programs for specific minor requirements)
- Studies in Sexuality, Women and Gender Minor (also listed under College of Social and Behavioral Sciences)

Graduate Majors (M.A.)

- Interdisciplinary Studies (see Interdisciplinary Master of Arts Degree Programs for specific major requirements)
- Philanthropy and Nonprofit Development (see Interdisciplinary Master of Arts Degree Programs for specific major requirements)
- Women's and Gender Studies (also listed under College of Social and Behavioral Sciences)

Program Certificates

- Applied Business Concepts (Continuing Education and Special Programs)
- International Business, Culture, and Language (also listed in Department of Languages and Literatures and the College of Business)
- Museum Studies (also listed in Department of Art and Department of History)
- Sustainability (see Interdisciplinary Program Certificates for specific program certificate requirements)
- Graduate Certificate in Women's and Gender Studies (also listed under College of Social and Behavioral Sciences)

Bachelor of Applied Science Degree Programs

Majors (B.A.S.)

- Criminal Justice (p. 251) (also listed in Department of Sociology, Anthropology and Criminology)
- Managing Business and Organizations (p. 251) (Continuing Education and Special Programs)

Bachelor of Applied Science Degree Program

The purpose of the Bachelor of Applied Science (B.A.S.) degree is to offer educational opportunities to those students who have completed an A.A.S degree and are now seeking to complete a four-year degree. These students are often place-bound and need to take online classes while remaining a full-time employee.

Admission to the Program

Each student entering the program must have earned:

1. an Associate of Applied Science (A.A.S.) degree from an accredited institution; and
2. a minimum 2.00 grade point average; and
3. two years of relevant work experience.

Total Credit Requirements

A total of at least 120 semester hours of credit, including applicable transferable credit earned, is required for graduation. The total must fulfill the following specifications:

1. 24 hours of UNIFI/General Education classes (or 23-24 hours of Liberal Arts Core), as outlined below, of which 9 hours can be transferred in as the Written Communication, Oral Communication, and Quantitative Reasoning UNIFI categories (or LAC 1A, 1B, and 1C if on the Liberal Arts Core);
2. 6 hours of Professional Communication, as outlined below;
3. 21-30 hours of Major coursework, from one of the majors listed below;
4. 0-19 hours of elective credit, for a total of 60 semester hours of credit taken at the University of Northern Iowa.

UNIFI/General Education Requirements for B.A.S. Degree

Students must meet the following undergraduate UNIFI/General Education requirements as specified below.

Summary:

Written Communication *	3
Oral Communication *	3
Quantitative Reasoning *	3

*BAS Students are permitted to transfer in courses equivalent to the Written Communication, Oral Communication, and Quantitative Reasoning UNIFI categories. No other classes can be applied to fulfill the UNIFI portion of the BAS degree.

Human Condition - Global	3
Human Condition - Domestic	3
Scientific Reasoning (lab not required)	3
Human Expression	3
Responsibility	3
Total Hours	**24**

Liberal Arts Core Requirements for B.A.S. Degree:

Students must meet the following undergraduate Liberal Arts Core requirements as specified below.

Summary:

Category 1: Core Competencies in Categories 1A (writing), 1B (speaking), and 1C (math) or transfer equivalencies*	9
*BAS students are permitted to transfer in courses equivalent to Categories 1A, 1B, & 1C. No other classes can be applied to fulfill the LAC portion of the BAS degree.	
Category 2: Civilizations & Cultures (1 course from Category 2A or 2B)	3
Category 3: Fine Arts, Literature, Philosophy & Religion (1 course from Category 3A or 3B)	3
Category 4: Natural Science & Technology (1 course from Category 4A or 4B)	3
Category 5: Social Science (1 course from Category 5A, 5B, or 5C)	3
Category 6: Capstone Experience (1 course)(2-3hours or 1 additional course from BAS LAC Category 2, 3, 4, or 5)	2-3
Total Hours	**23-24**

Professional Communication Required Courses for B.A.S. Degree

Required:

COMM 3155	Business and Professional Oral Communication	3
ENGLISH 3770	Technical Writing in Applied Sciences	3
Total Hours		**6**

Bachelor of Applied Science Degree Programs

Criminal Justice Major

Courses required to have taken before enrolling in B.A.S. program, or take simultaneously with other courses in the B.A.S. program.

SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
or culture/diversity related class approved by BAS Criminal Justice major advisor.		
CRIM 2022	Criminal Justice System	3
CRIM 2025	Criminology	3
Required:		
SOC 2010	Research Methods	3
CRIM 4575	Senior Seminar in Criminology	3
Electives:		18
6 hours of any 1000, 2000, 3000, or 4000-level CRIM prefix classes		
12 hours of any upper division (3000/4000-level) CRIM prefix classes		
Total Hours		**33**

Managing Business and Organizations Major

The B.A.S. major in Managing Business and Organizations is under the supervision and jurisdiction of Continuing Education and Special Programs.

Economics:		
ECON 1031	Introduction to Business Economics (or equivalent - requires departmental approval; will satisfy the UNIFI/General Education Quantitative Reasoning category)	0-3
Business Administration:		
BUSINESS 3025	Business Analysis Techniques	3
BUSINESS 3030	Accounting Concepts	3
BUSINESS 3035	Information Systems for Professionals	3
BUSINESS 3050	The Art of Managing People at Work	3
BUSINESS 3060	Law, Society, and Business	3
BUSINESS 3065	Entrepreneurship and Opportunity	3
BUSINESS 3070	Topics: Effective Business Practices (6 hours required, repeat on different topic)	6
BUSINESS 4040	Applied Business Finance	3
BUSINESS 4045	Practical Marketing for Organizations	3
Total Hours		**30-33**

Suggested Sequence

Term 1		
UNIFI/General Education Written Communication category		3
UNIFI/General Education Quantitative Reasoning category (ECON 1031 is the recommended course to satisfy both the UNIFI/General Education category		3
Term 2		
UNIFI/General Education Human Condition - Domestic category		3
BUSINESS 3025	Business Analysis Techniques	3

Term 3		
UNIFI/General Education category	Oral Communication	3
BUSINESS 3030	Accounting Concepts	3
Term 4		
ENGLISH 3186	Studes in Technical Communication	3
BUSINESS 3035	Information Systems for Professionals	3
Term 5		
UNIFI/General Education category	Human Condition - Global	3
BUSINESS 3050	The Art of Managing People at Work	3
Term 6		
COMM 3155	Business and Professional Oral Communication	3
BUSINESS 3060	Law, Society, and Business	3
Term 7		
UNIFI/General Education category	Scientific Reasoning	3
BUSINESS 3065	Entrepreneurship and Opportunity	3
Term 8		
UNIFI/General Education	Human Expression category	3
BUSINESS 3070	Topics: Effective Business Practices	3
Term 9		
UNIFI/General Education	Responsibility category	3
BUSINESS 4040	Applied Business Finance	3
Term 10		
BUSINESS 4045	Practical Marketing for Organizations	3
BUSINESS 3070	Topics: Effective Business Practices	3

Bachelor of Arts Degree and Minor Programs

The university offers a variety of interdisciplinary curricula to meet the growing need and interest in work beyond collegiate division. The following undergraduate majors and minors are under the supervision and jurisdiction of several committees, departments, or colleges as indicated. The programs include:

Undergraduate Majors (B.A.)/Minors

- General Studies Major
- Individual Studies Major
- Liberal Studies, Bachelor of
- Interactive Digital Studies Major (p. 253) (also listed in Department of Communication and Media)
- Interactive Digital Studies Minor (p. 255) (also listed in Department of Communication and Media)
- International Business Minor (also listed under College of Business)
- International Business Minor (Non-Business Majors) (also listed under College of Business)
- Russian and East European Studies Minor
- Studies in Sexuality, Women and Gender Minor (also listed under College of Social and Behavioral Sciences)

General Studies Major

The General Studies major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This is a diversified liberal arts major supervised by the Coordinator of the Individual Studies Program.

Required	
a minimum of 15 semester hours of 3000/4000-level courses from each of three of the four colleges for a minimum total hours	45
Total Hours	**45**

A **General Studies** major enables students to take a wide variety of courses from many different departments. This can lead to a well-rounded liberal arts education. The major is not directed toward any particular vocation or certification. The emphasis of this major is on distribution rather than concentration. Each General Studies major student is encouraged to develop a program of study according to their own needs, interests, and career goals. The selection of courses is largely left to the student. Students may *not* declare a second major and be registered for the General Studies major.

*The four colleges are:

1. College of Business;
2. College of Education;
3. College of Humanities, Arts and Sciences; and
4. College of Social and Behavioral Sciences.

See General Information section for a list of the departments under each college.

(See *General Studies* program for registered nurses.)

Individual Studies Major

The Individual Studies major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements (under the discretion of the Individual Studies Program Coordinator), plus electives to complete the minimum of 120 hours.

Required	
A coherent, interdisciplinary area of study (minimum of 33 hours)	33
Total Hours	**33**

An undergraduate thesis, internship, practicum, research project or portfolio may be required for your program of study (1-6 hours).

If it is found the university does not offer the major desired, it may be possible, through the Individual Studies Program, for a student to

create her/his own program of study. The purpose of the Individual Studies major is twofold:

1. to enable a student to design an individualized major by selecting courses from several academic departments, and
2. to explore interdisciplinary areas of study before those areas are formally adopted as departmental or interdepartmental majors.

Students interested in this major should have at least one semester's experience in university study before applying. A student shall consult first with the Individual Studies Coordinator concerning the feasibility of designing an Individual Studies major in a particular area. If the university does not have faculty or curricular resources for the area requested, the student will be so advised. Also, if the student does not appear to be academically prepared, or if their plans are not sufficiently clear, specific steps to correct these problems will be recommended.

Once an advisor is appointed, the student and the advisor will develop a list of courses to comprise the proposed major, and an interdisciplinary faculty committee will be selected to take action on the specific program. In some cases, with the approval of the faculty advisor and the program coordinator, an extraordinary amount of independent study may be counted toward the major. In some cases, an undergraduate thesis, internship, practicum, research project or portfolio will be required of this major.

The Individual Studies major is not intended to provide a secondary alternative to existing majors.

Liberal Studies Degree, Bachelor of

The Bachelor of Liberal Studies (B.L.S.) program is offered by the three Iowa Regents' Universities: University of Northern Iowa, Iowa State University, and the University of Iowa. The purpose of the B.L.S. is to offer educational opportunities to those students who are unable to attend college as full-time, on-campus students. Students often use guided independent study and other distance learning opportunities to earn credit. **This major may not be declared with any other major.**

See Undergraduate Degree Requirements section for further details regarding this degree.

Interactive Digital Studies Major

The Interactive Digital Studies (IDS) major is interdisciplinary in nature and is under the jurisdiction of the Department of Communication and Media. The Interactive Digital Studies major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Communication and Media:		
COMM 2555	Interactive Digital Communication I	3
COMM 4544/5544	Digital Culture and Communication	3
COMM COR 1010	Mass Communication and Society	3
University, Interdisciplinary:		
COMM 3555	Interactive Digital Communication II	3
COMM 3900/5900	Internship in Communication	3
Electives - select two bundles (emphases) from the following:		**30-32**
Total Hours		**45-47**

EMPHASES

1. Digital Visualization (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
COMM 4558/5558	Advanced Digital Visualization: (Topic)	3
COMM DM 1611	Media and Power	3
or COMM 4213/5213	Visual Rhetoric	
COMM DM 3659	Editing and Design	3
COMM DM 4655	Photojournalism	3
Total Hours		**15**

2. Digital Computation (17 hours)

Computer Science:		
CS 1510	Introduction to Computing	4
CS 1520	Data Structures	4
CS 2530	Intermediate Computing *	3
CS 3110	Web Application Development	3
CS 3120/5120	User Interface Design	3
Total Hours		**17**

* CS 2530 has the following prerequisites: CS 1510; CS 1520; CS 1800; or department approval. The prerequisite CS 1800 not included in requirements for this bundle is waived for Interactive Digital Studies majors and minors.

3. Digital Writing (15 hours)

English:		
ENGLISH 2770	Introduction to Workplace Writing	3
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	3
or ENGLISH 4770/5770	Applied Writing: Proposals and Grants	
ENGLISH 4025/5025	Theory and Practice of Writing	3
or ENGLISH 4040/50	Digital Writing: Theory and Practice	
Select 2 from the following courses (6 units total)		6
ENGLISH 4672/5672	Electronic Literature *	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
Total Hours		**15**

* Prerequisite(s): COMM 2555 or ENGLISH 2120 or consent of instructor; junior standing.

4. Digital Music (15 hours)

Music Theory (required):		
MUS THEO 1300	Topics in Music Composition (Electronic composition section)	2
MUS THEO 3220/5220	Music and Technology	4
MUS THEO 3230/5230	Music Technology, Advanced	4
Music Theory (select two of the following):		4
MUS THEO 1100	Introduction to Music Theory	
MUS THEO 1110	Theory I	
MUS THEO 1120	Theory II	
Theory class placement is determined by a diagnostic examination.		
Music elective		1
Total hours		15
Additionally, it is recommended that students taking this bundle elect to take MUSIC 1100 as part of their UNIFI/General Education courses.		

5. Digital Imaging (15 hours)

Graphic Technologies:		
TECH 1055	Graphic Communications Foundations	3
TECH 2070	Digital Pre-Media	3
TECH 3169	Digital Imaging	3
TECH 4158/5158	Graphic Communication Data Visualization	3
TECH 4161	Digital Graphic Communications	3
Total Hours		**15**

6. Digital Advertising (15 hours)

Economics:		
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
Marketing:		
MKTG 2110	Principles of Marketing	3
MKTG 3143	Advertising and Promotion	3
MKTG 3146	Digital Advertising	3
MKTG 3148	Digital Customer Experience *	3
or ENTR 3583/5583	Entrepreneurship	
or MKTG 4150	Advertising Campaign Development	
Total Hours		**15**

* ENTR 3583/5583 has a prerequisite of ENTR 2010 or (ACCT 2120; ACCT 2130; prerequisite or corequisite FIN 3130/5130; STAT 1772 or equivalent; ECON 1011; MKTG 2110; ECON 1031 or (ECON 1041 and ECON 1051)); junior standing.

7. Digital History (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
COMM 4412/5412	Performing History	3
History:		
HIST 1010	Introduction to Historical Skills	3
HIST 4010/5010	Introduction to Public History	3
HIST 4020/5020	Introduction to Museum Studies	3
Total Hours		**15**

8. Web Development (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
Computer Science:		
CS 1100	Web Development: Client-Side Coding	3
CS 2100	Web Development: Server-side Coding	3
CS 3120/5120	User Interface Design	3
Marketing:		
MKTG 3148	Digital Customer Experience *	3
Total Hours		**15**

* MKTG 3148 has a prerequisite of MKTG 2110 or consent of instructor. This prerequisite is waived for all Interactive Digital Studies majors and minors.

9. Digital Video (15 hours)

Communication and Media:		
COMM DM 1651	Digital Media Production I	3
COMM DM 1652	Writing for Digital Media	3
COMM DM 2651	Digital Media Production II	3
COMM DM 3658	Digital Journalism: (Topic)	3
COMM DM 4630/5630	Digital Media Law and Ethics	3
or COMM DM 4644/	Global Media	
Total Hours		**15**

10. Digital Mapping (15 hours)

Geography:		
GEOG 1310	Digital Earth	3
GEOG 2320	Drones for Mapping and Communication	3
GEOG 2410	Geographic Information Systems I	3
GEOG 2420	Cartographic Design	3
GEOG 4335/5335	Web Mapping and GIS	3
Total Hours		**15**

Interactive Digital Studies Minor

The Interactive Digital Studies minor is interdisciplinary in nature and is under the jurisdiction of the Department of Communication and Media. This minor requires a 12-hour core plus 15-17 hours from one of the nine emphases.

Required		
Communication and Media:		
COMM 2555	Interactive Digital Communication I	3
COMM 4544/5544	Digital Culture and Communication	3
COMM COR 1010	Mass Communication and Society	3
COMM 3555	Interactive Digital Communication II	3
Electives - select one bundle (emphasis) from the following:		**15-17**
Total Hours		**27-29**

1. Digital Visualization (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
COMM 4558/5558	Advanced Digital Visualization: (Topic)	3
COMM DM 1611	Media and Power	3
or COMM 4213/5213	Visual Rhetoric	
COMM DM 3659	Editing and Design	3
COMM DM 4655	Photojournalism	3
Total Hours		**15**

2. Digital Computation (17 hours)

Computer Science:		
CS 1510	Introduction to Computing	4
CS 1520	Data Structures	4
CS 2530	Intermediate Computing *	3
CS 3110	Web Application Development	3
CS 3120/5120	User Interface Design	3
Total Hours		**17**

* CS 2530 has the following prerequisites:
CS 1510; CS 1520; CS 1800; or department approval. The prerequisite CS 1800 not included in requirements for this bundle is waived for Interactive Digital Studies majors and minors.

3. Digital Writing (15 hours)

English:		
ENGLISH 2770	Introduction to Workplace Writing	3
ENGLISH 4025/5025	Theory and Practice of Writing	3
or ENGLISH 4040/5040	Digital Writing: Theory and Practice	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	3
or ENGLISH 4770/57	Applied Writing: Proposals and Grants	
Select 2 from the following courses (6 units total)		6
ENGLISH 4672/5672	Electronic Literature *	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
ENGLISH 4160/5160	Issues in Digital Humanities	
Total Hours		**15**

* Prerequisite(s): COMM 2555 or ENGLISH 2120 or consent of instructor; junior standing.

4. Digital Music (15 hours)

Music Theory (required):		
MUS THEO 1300	Topics in Music Composition (Electronic Composition section)	2
MUS THEO 3220/5220	Music and Technology	4
MUS THEO 3230/5230	Music Technology, Advanced	4
Music Theory (select two of the following):		4
MUS THEO 1100	Introduction to Music Theory	
MUS THEO 1110	Theory I	
MUS THEO 1120	Theory II	
Theory class placement is determined by a diagnostic examination.		
Music elective		1
Additionally, it is recommended that students taking this bundle elect to take MUSIC 1100 as part of their UNIFI/General Education courses.		
Total Hours		**15**

5. Digital Imaging (15 hours)

Graphic Technologies:		
TECH 1055	Graphic Communications Foundations	3
TECH 2070	Digital Pre-Media	3
TECH 3169	Digital Imaging	3
TECH 4158/5158	Graphic Communication Data Visualization	3
TECH 4161	Digital Graphic Communications	3
Total Hours		**15**

6. Digital Advertising (15 hours)

Economics:		
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
Marketing:		
MKTG 2110	Principles of Marketing	3
MKTG 3143	Advertising and Promotion	3
MKTG 3146	Digital Advertising	3
MKTG 3148	Digital Customer Experience *	3

or ENTR 3583/5583	Entrepreneurship	
or MKTG 4150	Advertising Campaign Development	
Total Hours		**15**

* ENTR 3583/5583 has prerequisite of ENTR 2010 or (ACCT 2120; ACCT 2130; prerequisite or corequisite FIN 3130/5130; STAT 1772 or equivalent; ECON 1011; MKTG 2110; ECON 1031 or (ECON 1041 and ECON 1051)); junior standing.

7. Digital History (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
COMM 4412/5412	Performing History	3
History:		
HIST 1010	Introduction to Historical Skills	3
HIST 4010/5010	Introduction to Public History	3
HIST 4020/5020	Introduction to Museum Studies	3
Total Hours		**15**

8. Web Development (15 hours)

Communication and Media:		
COMM 3558	Introduction to Digital Visualization	3
Computer Science:		
CS 1100	Web Development: Client-Side Coding	3
CS 2100	Web Development: Server-side Coding	3
CS 3120/5120	User Interface Design	3
Marketing:		
MKTG 3148	Digital Customer Experience *	3
Total Hours		**15**

* MKTG 3148 has prerequisite of MKTG 2110 or consent of instructor. This prerequisite is waived for all Interactive Digital Studies majors and minors.

9. Digital Video (15 hours)

Communication and Media:		
COMM DM 1651	Digital Media Production I	3
COMM DM 1652	Writing for Digital Media	3
COMM DM 2651	Digital Media Production II	3
COMM DM 3658	Digital Journalism: (Topic)	3
COMM DM 4630/5630	Digital Media Law and Ethics	3
or COMM DM 4644/	Global Media	
Total Hours		**15**

10.Digtial Mapping (15 hours)

Geography:		
GEOG 1310	Digital Earth	3
GEOG 2320	Drones for Mapping and Communication	3
GEOG 2410	Geographic Information Systems I	3
GEOG 2420	Cartographic Design	3
GEOG 4335/5335	Web Mapping and GIS	3
Total Hours		**15**

International Business Minor

The interdepartmental minor in International Business is available to College of Business students majoring in Accounting, Business Teaching, Economics - Business Economics emphasis, Finance, Management, Management Information Systems, Marketing, Real Estate, and Supply Chain Management. The International Business minor enhances the common body of knowledge gained through the business core by focusing on international trade and commerce issues/perspectives.

Required		
World Affairs:		**3**
Select one of the following:		
Geography:		
GEOG 1110	Global Geography	
Political Science:		
POL INTL 1024	International Relations	
International Business core:		**12**
Marketing:		
MKTG 3163	Distribution and Logistics	
or MKTG 3176/51	Global Marketing	
Management:		
MGMT 3189/5189	International Management	
Financial:		
FIN 3032/5032	International Financial Management	
Economics:		
ECON 3249/5249	Economic Development	
International Experience:		0
BUSINESS 3169	International Experience **	
International Electives		
Select one of the following:		2-3
Business, Interdepartmental:		
BUSINESS/CAP 3155	Socio-Economic Reality of Central America *	
Management:		
MGMT 3161	Supply Chain and Purchasing	
Political Science:		
POL INTL 3119	Politics of the Global Economy	
POL INTL 3143	International Law	
POL INTL 3145	International Organizations	
Sociology/Anthropology:		
ANTH 3001	Language and Culture	

ANTH 3104/ PSYCH 4608/5608	Gender in Cross-Cultural Perspective	
International Internship		
Or any additional course listed within the international business core above.		
Total Hours		**17-18**

* This course fulfills the Liberal Arts Core Capstone requirement. Other global perspective Capstone courses may be approved, by student request, to fulfill the requirements of this elective.

** This BUSINESS 3169 course requires the successful completion of an approved study abroad experience, or a departmental internship or cooperative education experience that includes a significant international component. Department internships or cooperative education credits that meet the requirements of the international experience can, by student request, be used to fulfill the elective requirement.

International Business Minor (Non-Business Majors)

The interdepartmental minor in International Business (Non-Business Majors) is available to any non-business major. The purpose of this minor is to allow non-business majors to build a basic body of knowledge concerning business and business operations and expand this knowledge with respect to international business, trade, and commerce.

Required		
World Affairs		**3**
Select one of the following:		
Geography:		
GEOG 1110	Global Geography	
Political Science:		
POL INTL 1024	International Relations	
Business Core		**15**
Accounting:		
ACCT 2120	Principles of Financial Accounting	
Marketing:		
MKTG 2110	Principles of Marketing	
Management:		
MGMT 3100	Legal and Social Environment of Business	
MGMT 3965/5965	Organizational Behavior	
Economics:		
ECON 1031	Introduction to Business Economics	
International Business core		**8-9**
Management:		
MGMT 3189/5189	International Management	
International electives:		
Select two from the following:		
Business, Interdepartmental:		
BUSINESS/CAP 3155	Socio-Economic Reality of Central America *	
Marketing:		
MKTG 3163	Distribution and Logistics	
MKTG 3176/5176	Global Marketing	
International Internship		
International Experience		**0**
BUSINESS 3169	International Experience **	
Total Hours		**26-27**

* This course fulfills the Liberal Arts Core Capstone requirement. Other global perspective Capstone courses may be approved, by student request, to fulfill the requirements of this elective.

** This BUSINESS 3169 course requires the successful completion of an approved study abroad experience, or a departmental internship or cooperative education experience that includes a significant international component. Department internships or cooperative education credits that meet the requirements of the international experience can, by student request, be used to fulfill the elective requirement.

NOT available to majors in: Accounting, Business Teaching, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, Marketing, Real Estate, and Supply Chain Management.

NOT available to General Business Concepts minors.

Russian and East European Studies Minor

This minor is offered by the College of Humanities, Arts and Sciences and the College of Social and Behavioral Sciences.

Required		
Language *		12-20
History:		3
Select one of the following:		
HIST 4650/5650	Modern Central and Eastern Europe	
HIST 4660/5660	History of Imperial Russia	
HIST 4670/5670	History of Soviet Russia	
Select two of the following:		6
Humanities/Languages (required):		
HUM 3121	Russia/Soviet Union	
Political Science:		
POL COMP 3123 or POL COMP 316	Nationalism Russian Politics	
An additional literature or language class, with the approval of a REES advisor. A Russian/East European topics course or seminar, with the approval of a REES advisor **,***		
Total hours ***		18-29

* Four semesters. Must include fourth-semester course in Intermediate Russian Language and Culture II or equivalent

Slavic/East European language satisfied through, for example, transfer credit.
Students may also satisfy the language requirement through native or heritage (home-based) knowledge of a Slavic/East European language. Students wishing to satisfy the language requirement in this manner may have to complete a language placement exam. Finally, students who do satisfy the language requirement through native/heritage knowledge will be required to complete 9 hours of course work in lieu of the 12-20 hours of language study. This will be arranged with the student's REES advisor.

** Several UNI departments (e.g., History) occasionally offer topics courses or junior-senior seminars on Central and Eastern Europe, and Eurasia. Consult a REES advisor each semester on these offerings.

*** The low range of 18 credit hours will apply only to students satisfying the language requirement through native or heritage (home-based) knowledge of a Slavic/East European language. (See * note.) The low range for students satisfying the language requirement through normal class language study will be 21 credit hours.

Study Abroad: Students are strongly encouraged to study abroad for at least one summer, preferably one semester. Study abroad may be used to satisfy program requirements for language or non-language course work, with the approval of a REES (Russian and East European Studies) advisor.

Studies in Sexuality, Women and Gender Minor

Studies in Sexuality, Women and Gender Minor is an interdisciplinary and multicultural program that engages in research and exploration concerning all areas of human experience. Its unique perspective strengthens the abilities of students within any major to critically analyze theory and research emphasizing the importance of gender while including other essential categories of analysis such as race, class, sexuality, ethnicity, and nationality. This 18 credit hour program provides skills that are useful to all majors. This program is offered under the jurisdiction and general supervision of the College of Social and Behavioral Sciences. For more information, contact the Women's and Gender Studies office, Sabin 225, wgs@uni.edu, or *csbs.uni.edu/womenstudies*.

Required		**6**
Humanities:		
WGS 1040	Women's and Gender Studies: Introduction	
Choose one of the following:		
WGS 2040	Introduction to LGBTQ Studies	
FAM SERV 1057	Human Relationships and Sexuality	
RELS/PHIL 2570	Good Sex: The Ethics of Human Sexuality	
Electives:		**12**
Anthropology:		
ANTH 3104/ PSYCH 4608/5608	Gender in Cross-Cultural Perspective *	
Communication and Media:		
COMM 4346/5346	Gender Issues in Communication	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
Criminology:		
CRIM 4331/5331	Women, Crime and Society *	
Educational Psychology:		
EDPSYCH 4140/5140	Social Psychology in Educational Contexts	
Languages and Literature:		
ENGLISH 1120	Literature: (topic) (Topics in Women's and Gender Studies ONLY)	
ENGLISH 4120/5120	Literature, Gender and Intersectionality *	
ENGLISH 4420/5420	The American Renaissance *	
ENGLISH 4425/5425	American Realism and Naturalism to WWI *	
Family Services:		
FAM SERV 1057	Human Relationships and Sexuality	
FAM SERV 3145/5145	Violence in Intimate Relationships	
Public Health and Education:		
PH 2530	Introduction to Women's Health	
PH 2540	Selected Topics in Women's Health	
History:		
HIST 4260/5260	United States Women's History	
HIST 4690/5690	Modern European Women's History	
Humanities:		
HUM 3160/5160	Black Women in America: Challenge, Spirit, Survival	
Philosophy:		
CAP 3151	Money, Sex and Power: Theories of Race, Class and Gender	
Psychology:		
PSYCH 2201	Psychology of Gender *	
PSYCH 4608/ ANTH 3104/5104	Gender in Cross-Cultural Perspective *	
World Religions:		
RELS 1020	Religions of the World (Family Life emphasis only) **	
RELS 3150	Women and Christianity	
Social Sciences:		
SOC SCI 1020	Women, Men, and Society	
Sociology:		
SOC 2040	Social Movements *	
SOC 3045/5045	Social Inequality *	
SOC 3050/5050	Men and Masculinities	
SOC 4051/5051	Sociology of Gender	

SOC 4071/5071	Feminist Theories in the Social Sciences *	
Women's and Gender Studies:		
WGS 2040	Introduction to LGBTQ Studies	
WGS 3195/5195	Internship in Women's and Gender Studies *	
Total Hours		**18**

Notes:

No more than 9 hours from courses with the same prefix.

A minimum of 9 hours from the 3000-level or above.

No more than one of the following may be counted for WGS credit: COMM 4446/5446 or SOC 2040

* These courses have additional prerequisites.
** Students must submit a student request form to receive WGS minor credit for this course.

Master of Arts Degree Programs

The university offers a variety of interdisciplinary curricula to meet the growing need and interest in work beyond collegiate division. The following graduate programs are under the supervision and jurisdiction of several committees, departments, or colleges as indicated. The programs include:

Graduate Majors (M.A.)

- Interdisciplinary Studies (p. 259)
- Philanthropy and Nonprofit Development (p. 260) (offered through Division of Continuing Education)
- Women's and Gender Studies (p. 260) (also listed in College of Social and Behavioral Sciences)

Master of Arts Degree

Major in Interdisciplinary Studies

The Master of Arts in Interdisciplinary Studies (MAIS) is a 30-hour master's degree program that allows students to choose between two to three concentration or subject areas, enabling them to meet their personal, academic and professional goals by drawing from interdisciplinary fields to create a unique, individualized course of study that can be tailored to their specific needs. Students can develop the competency needed for a variety of professional opportunities or to continue furthering graduate studies. The minimum number of units per concentration or subject area is six hours. This program is offered primarily as a non-thesis degree, although a thesis option is allowed.

Students can choose courses from a wide variety of concentration areas and can also select a unique concentration area with assistance from Graduate College. MAIS students are allowed to transfer UNI graduate certificates into the Master's program as concentration areas.

Professional Skills

- Written communication
- Research abilities, analysis and interpretation
- Integration of diverse fields
- Build evidence-based arguments and insights

Student Learning Outcomes

1. Students should be able to integrate the knowledge of two or more academic disciplines into interdisciplinary scholarship.
2. Students should be able to analyze and interpret data from scholarly literature of the discipline.
3. Students should be able to elaborate evidence-based arguments through the understanding of the fields of inquiry.

Admissions

1. Statement. A 500-word narrative indicating the personal and professional objectives sought to be accomplished with this program. Indicate how the experiences encountered in your life and/or career align with the fields of inquiry selected as part of your program.
2. Transcripts
3. GPA of 3.0 or above
4. Two professional or academic references
5. Admission will be in consultation with the Graduate College coordinator and faculty advisors from areas of interest and a plan of study will be devised accordingly.

Culminating Experience

The final assignment should be aligned with the professional goals of the student and it is determined by the faculty advisors from the concentration or subject areas. Non-thesis options may include: a Portfolio Project; a Clinical Immersion Project; an Internship Project; or a Specialization Research Paper. Thesis projects should be completed in accordance with the Graduate College's policies. Non-thesis projects must be supervised by at least one regular member of the graduate faculty from at least one of the student's specialist areas and approved by the Graduate College.

Process

Faculty advisors will draft a plan of study which will be approved by the Graduate College. Students can transfer UNI certificates to create an interdisciplinary degree. Certificates are stackable. Certificates from accredited universities are accepted and follow UNI transfer rules.

Students interested in this program must submit a completed Application for Admission to Graduate Study, which includes transcripts of undergraduate and graduate credits, and send the names of two professional or academic references to the Graduate College. Interested students should refer to their MyUNIverse Student Center To-Do list or contact the program director for any other application requirements. It is expected that students will have experience in the field prior to admission. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **non-thesis** and **thesis** options. A **minimum of 30 semester hours** of graduate course work is required for both options. A **minimum of 12 semester hours of 6000-level coursework** is required for the non-thesis option; a **minimum of 15 semester hours of 6000-level coursework** is required for the thesis option. The 30 hours are prescribed below.

Option 1 with 3 Areas of Concentration	
Required:	
A minimum of 6 semester hours from three focus areas	24
Elective	3
Research Class or Equivalent *	3
Total Hours	**30**

Option 2 with 2 Areas of Concentration	
A minimum of 9 semester hours from two focus areas	24
Elective	3
Research Class or Equivalent *	3
Total Hours	**30**

* See "Culminating Experience" information above

Major in Philanthropy and Nonprofit Development

The M.A. program in Philanthropy and Nonprofit Development is designed for individuals who have experience in the philanthropy and/or nonprofit areas. The degree will be offered through the Division of Continuing Education with extensive use of distance education technologies. The program is designed to offer professionals the opportunity to continue their study, advancing their knowledge while earning graduate credit in course work targeted toward the following objectives:

1. to develop and enhance professionals' skills and knowledge in the fundraising and nonprofit sectors;
2. to further students' understanding of ethical policy and legal issues as they relate to philanthropy and nonprofit development;
3. to advance students' knowledge of scholarly research, theories and models in the area of nonprofit organizational development, donor relations, grant writing, corporate/foundation relations, advocacy, public funding, and evaluation/accountability; and
4. to enhance students' mastery of skills in the aforementioned areas.

Students interested in this program must submit a completed Application for Admission to Graduate Study, which includes transcripts of undergraduate and graduate credits, and have three letters of recommendation sent to the Office of Admissions. Interested students should refer to their MyUNIverse Student Center To-Do list or contact the program director for any other application requirements. It is expected that students will have experience in the field prior to admission. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **non-thesis** option only. A **minimum of 30 semester hours** of graduate course work is required. A **minimum of 21 hours of 6000-level course work, including 3 hours of HRCS 6299 is required** . The 30 hours are prescribed below.

Required		
Communication and Media:		
COMM PR 4855/5855	Public Relations Campaign Methods	3
Management:		
MGMT 6260	Strategic Management of Human Resources	3
Public Policy:		
PUBPOL 6220	Public Policy, Advocacy and Public Funding	2
Recreation, Tourism and Nonprofit Leadership:		
RTNL 6203	Philanthropy and Nonprofit Development: An Overview	3
RTNL 6285	Readings	2
HRCS 6299	Research	3
RTNL 6406	Fundraising and Grant Seeking for Nonprofit Agencies	3
RTNL 6408	Financial Decision Making for Youth/Human Service Agencies	3
RTNL 6410	Evaluation, Research and Accountability	3
RTNL 6419	Psychology, Law, and Philanthropy	2
RTNL 6420	Critical Thinking in Philanthropic and Nonprofit Issues	2
RTNL 6422	Applied Research Methods	1
Total Hours		**30**

Major in Women's and Gender Studies

The Master of Arts in Women's and Gender Studies is interdisciplinary in nature and is under the jurisdiction of the College of Social and Behavioral Sciences.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Director of Women's and Gender Studies for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

The Women's and Gender Studies curriculum is designed to meet the needs of students who strive for analytic clarity and rigor in gender-focused research. Students may employ the skills in reflective and critical analysis as well as the broad base of knowledge that they obtain in the program to

1. prepare for a Ph.D. program with a disciplinary or interdisciplinary focus on gender or,
2. prepare for a career in the public or private sector in the areas of gender and wellness, gender and violence prevention, or another area based on student interest or,
3. satisfy strong intellectual interests and curiosity while pursuing advanced education in the liberal arts.

Through core courses and selected electives, students enrolled in the Master of Arts in Women's and Gender Studies will accomplish several objectives: examine theories concerning the social and historical constructions of gender; explore how gender identity and sexual orientation help define human relationships; recognize that women's lives have been under-represented in traditional disciplines and investigate previously neglected materials in order to identify women's as well as men's roles in cultural or social endeavors; study, compare, and evaluate an array of disciplinary perspectives on gender, including, but not limited to, cross-cultural, economic, sociological, historical, and literary perspectives; identify intersections of gender with race, class, age, sexual identity, and ethnicity, both locally and globally, both in the present and in the past; and employ new methodological and critical approaches to materials customarily treated in other ways, revising the content and assumptions of particular disciplines to address gender and related issues more effectively.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The M.A. in Women's and Gender Studies has 2 tracks: thesis and applied (non-thesis). The thesis track requires a **minimum of 31 semester hours** of study; **15 hours of 6000-level course work is required,** which includes 6 hours of WGS 6299 Research in Women's and Gender Studies.

The non-thesis applied track requires a **minimum of 32 hours; 12 hours of 6000-level course work is required,** which includes 4 credit hours of WGS 6195 Graduate Internship in Women's and Gender Studies. The internship requirement is a culminating 120-hour internship project and research paper, which is supervised by two WGS faculty members and an internship site supervisor. The project may take a wide variety of forms, but it should meet the following 3 requirements; 1) shows evidence of theoretically informed and self-reflexive praxis; 2) shows evidence of knowledge and research skills appropriate to the project; and 3) is related to the student's focus area.

Additional non-program hours may be required if courses on a student's program of study have prerequisites which instructors choose not to waive.

Successful completion of an Social Justice Activism Portfolio is required for both tracks. Activism consists of intentional efforts to bring about some kind of change, be it social, political, economic, environmental, and so on. To enable students to assess links between academic inquiry and civic engagement, they will take advantage of opportunities to engage in social activism, both on and off campus. This will include participating in and/or organizing events and maintaining and electronic portfolio during the course of time in the program.

Common core (13 hours – required for all students):

Required (4 Hours)		**4**
WGS 6289	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories	
WGS 6291	Graduate Proseminar in Women's and Gender Studies	
Feminist Theories in the Social Sciences and Humanities (3 hours)		**3**
Select one of the following:		
ENGLISH 6120	Feminist Literary Theories and Practice	
SOC 4071/5071	Feminist Theories in the Social Sciences	
COMM 4346/5346	Gender Issues in Communication	
History (3 Hours)		**3**
HIST 4260/5260	United States Women's History	
or HIST 4690/5690	Modern European Women's History	
Research Methodology (3 Hours)		**3**
In consultation with and approval of thesis advisor, one course from the following or other course approved by the thesis advisor or program director:		
COMMGRAD 6022	Communication Research Methodology	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4140/5140	Literary Criticism	
ENGLISH 6100	Methods of Graduate Study in English	
HIST 6050	Historical Methods	
PSYCH 6002	Research Design	
SOC/ANTH 4015	Qualitative Research	
KAHHS 6210	Quantitative Methods in KAHHS	
KAHHS 6215	Qualitative Methods	
RTNL 6410	Evaluation, Research and Accountability	
Total Hours		**13**

Thesis Track

Common Core	13
WGS 6299 Research Women's and Gender Studies	6
Electives related to Thesis Topic [1]	12
Total Hours	**31**

[1] With the approval of the thesis advisor, the student individually designs an elective sequence, selecting courses from the humanities, fine arts, social and natural sciences that best contribute to the student's thesis project.

Applied Track		
Common Core		13
WGS 6195	Graduate Internship in Women's and Gender Studies	4
RTNL 6406	Fundraising and Grant Seeking for Nonprofit Agencies	3
Electives in Focus Area		12
Total Hours		**32**

Focus Areas:		
1) Gender and Wellness		
Required (choose one course from the following):		3
PH 3330/5330	Minority Health	
or PH 3310/5310	Cultural Competency for the Helping Professions	
Electives (choose 9 hours from the following):		9
PH 3320/5320	Global Service Mission	
PH 3660/5660	Public Health Theory	
PH 3140/5140	Planning and Evaluating Public Health Programs	
PH 3150/5150	Implementation and Advocacy in Public Health Programs	
2) Gender and Violence Prevention		
Choose 12 hours from the following:		12
FAM SERV 3145/514	Violence in Intimate Relationships	
COMM 4346/5346	Gender Issues in Communication	
SOC 3050/5050	Men and Masculinities	
CRIM 4331/5331	Women, Crime and Society	
WGS 6297 Practicum Women and Gender Studies		
3) Individualized (tailored to student interests, with permission of advisor)		**12**

A Graduate Certificate in Women’s and Gender Studies is also available. For requirements go to www.uni.edu/interdisciplinarymajorsandminors/programcertificates or in PDF copy go to the "Interdisciplinary" section.

For more information contact the Women's and Gender Studies office, Sabin 225, wgs@uni.edu, or www.uni.edu/womenstudies.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on any specific program certificates, contact the college or department indicated or the Office of the Registrar, which serves as the centralized registry.

The university offers a variety of interdisciplinary curricula to meet the growing need and interest in work beyond collegiate division. The following undergraduate majors and minors are under the supervision and jurisdiction of several committees, departments, or colleges as indicated. The programs include:

Program Certificates

- Applied Business Concepts (p. 262) (Continuing Education and Special Programs)
- International Business, Culture, and Language (p. 262) (also listed in Department of Languages and Literatures and the College of Business)
- Museum Studies (p. 264) (also listed in Department of Art and Department of History)
- Sustainability (p. 265)
- Graduate Certificate in Women’s and Gender Studies (p. 266) (also listed under College of Social and Behavioral Sciences)

Certificate in Applied Business Concepts

The certificate in Applied Business Concepts will provide Bachelor of Liberal Studies (BLS) students as well as other adult learners access to a program that is convenient, flexible and offers an alternative to the traditional path to a certificate program. This program aligns well with the BLS degree since it allows students the opportunity to complete a certificate completely online. Offering a fully online certificate program creates access for BLS students, but also helps to recognize the unique needs of adult learners -- by providing access to education that can be balanced with work and family obligations. Access is one of UNI's strategic initiatives. The student learning outcomes for this program will be tied to course-level and university-level learning outcomes.

Priority registration will be given to Managing Business and Organization BAS students; however, exceptions to the BAS admission prerequisite will be given to BLS students wishing to pursue the certificate. All BLS students must register through the Continuing and Distance Education office (http://distance.uni.edu/enroll).

Select five courses from the following:		15
ECON 1031	Introduction to Business Economics	
BUSINESS 3025	Business Analysis Techniques	
BUSINESS 3030	Accounting Concepts	
BUSINESS 3035	Information Systems for Professionals	
BUSINESS 3060	Law, Society, and Business	
BUSINESS 3065	Entrepreneurship and Opportunity	
BUSINESS 3070	Topics: Effective Business Practices	
BUSINESS 4040	Applied Business Finance	
BUSINESS 4045	Practical Marketing for Organizations	
Total Hours		**15**

Certificate in International Business, Culture, and Language

The Certificate in International Business, Culture, and Language is available to College of Business students majoring in Accounting, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, Marketing, and Real Estate and to students completing the General Business Concepts minor. The purpose of this certificate is to encourage students to seek

language and cultural knowledge in order to build a foundation for understanding the global environment in which business operates. For more information students should contact UNI*Business* Advising, CBB 5. To enroll in this program students must declare their intent on a Declaration of Curriculum form. The form may be obtained in CBB 5.

International Business

MGMT 3189/5189	International Management	3
Cultural and Political Perspectives		
Select one of the following:		3
Political Science:		
POL INTL 1024	International Relations *	
Geography:		
GEOG 1110	Global Geography *	
Sociology:		
SOC 1000	Introduction to Sociology *	
Anthropology:		
ANTH 1002	Introduction to Cultural Anthropology *	
Philosophy and World Religions:		
RELS 1020	Religions of the World *	
RELS/PHIL 1540	Ethics in Business	
Foreign Language and History +		
Select one of the language options below:		9-15

Chinese (14-15 hours)

CHIN 1001	Elementary Chinese I **	4
CHIN 1002	Elementary Chinese II **	4
Select two of the following:		
CHIN 1011	Intermediate Chinese I	4-5
RELS 2100	Great Living Religions: Hinduism and Buddhism	3
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	3
HUM 3124	China *	3
POL COMP 3162	Politics of East Asia	3
HIST 4850/5850	Pre-Modern Chinese History	3
HIST 4860/5860	Modern Chinese History	3

French (12 hours)

FREN 1001	Introduction to French Language and Culture I **	3
FREN 1002	Introduction to French Language and Culture II **	3
Select two of the following:		
FREN 2001	Intermediate French Language and Culture	3
FREN 2002	Composition	3
FREN 2012	Advanced Topics in French Conversation: ____	3

German (12 hours)

GER 1001	German Language and Culture I **	3
GER 1002	German Language and Culture II **	3
Select two of the following:		
ENGLISH/CAP 3148	The Holocaust in Literature and Film	3
HIST 4460/5460	History of Germany to 1648	3
HIST 4630/5630	History of Germany Since 1648	3

Spanish (12 hours)

SPAN 1001	Elementary Spanish I **	3
SPAN 1002	Elementary Spanish II **	3
Select two of the following:		
HUM 3123	Latin America *	3
SPAN 2001	Intermediate Spanish	3
SPAN 2002	Oral and Written Spanish	3
SPAN 2053	Spanish for Special Purposes: _____	3
SPAN 3001	Advanced Writing ***	3
SPAN 3006	Spanish for Heritage Speakers ***	3
SPAN 3020	Latin American Culture and Civilization ^	3
SPAN 3050/5050	Written Communication ***	3
SPAN 3052/5052	Contemporary Hispanic Culture	3-5
HIST 4720/5720	Modern Latin American History	3
POL COMP 3167	Latin American Politics	3

English (9 hours)**

Select one of the following:		3
HIST 1023	History of the United States	
POL AMER 1014	Power & Politics in the U.S. *	
Select two of the following:		
ENGLISH 2520	Multicultural Literature	3
ENGLISH 2340	Survey of English Literature II: Romantics to Post-Colonialism ^	3
ENGLISH 2420	Survey of American Literature ^	3
ENGLISH 4410/ RELS 4230/5230	Early American Literature ^	3
ENGLISH 4420/5420	The American Renaissance ^	3
ENGLISH 4445/5445	American Novel Since 1900 ^	3
HIST 4235/5235	Popular Culture in the United States	3
HIST 4275/5275	United States Constitutional History	3
HIST 4240/5240	History of American Thought	3
HIST 4250/5250	Religion in America	3
RELS 3180	Religion and Politics: (Topics)	3

+	A student's native language cannot be used to meet the language requirement of the certificate.
*	Credit hours in these UNIFI/General Education courses may be applied toward the completion of the UNIFI/General Education requirement and the completion of this certificate program.
**	Students who received credit toward the foreign language competency requirement for UNI graduation from satisfactory performance in high school language courses or students who can pass an equivalency examination do not need to take these courses.
***	Students may choose only one of the following courses as an elective: SPAN 3001, SPAN 3006, or SPAN 3050/5050
****	Available only for students who are non-native English speakers.
^	The following courses have additional prerequisites: SPAN 3020 has prerequisite of SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent. ENGLISH 2340 and ENGLISH 2420 have prerequisite or corequisite ENGLISH 2120. ENGLISH 4410/5410, ENGLISH 4420/5420, and ENGLISH 4445/5445, have prerequisites ENGLISH 2120 or consent of instructor, and junior standing.

Summary

1. International Business	3
2. Cultural and Political Perspectives	3
3. Foreign Language and History *	9-15
Chinese: 14-15 hours	
French: 12 hours	
German: 12 hours	
Spanish: 12 hours	
English: 9 hours	
Total Hours	**15-21**

Museum Studies Certificate

The Museum Studies Certificate exposes students to the array of occupations in the museum industry and provides them the opportunity to add an experiential component to their academic education. The certificate is available to upper-division undergraduate and graduate students who have completed the introductory course, seminar, internship, and methods and elective courses in their field of study.

The Museum Studies Certificate complements the existing frameworks of department majors. Students will take two or three (depending on variable major requirements) classes (including HIST 4020/5020/ANTH 3440/5440 Introduction to Museum Studies and ARTHIST 4003/5003/HIST 4003/5003 Collections Care and Management hosted by UNI Gallery of Art and UNI Museum), as well as an internship with a community partner. These internships and electives for the Museum Studies Certificate may be counted towards their major electives and/or university electives. For example, Textile and Apparel requires internships as part of the major; the internship requirements of the MSC will complement that major requirement. HIST 4020/5020/ANTH 3440/5440 Introduction to Museum Studies and ARTHIST 4003/5003/HIST 4003/5003 Collections Care and Management with UNI Gallery of Art and UNI Museum will be available every year.

The introductory course is taught by faculty in the History department, the seminar in collections care and management is conducted through the Art department by UNI Gallery of Art in conjunction with UNI Museum. Department faculty liaisons in students' major departments define the methods and elective curricula and oversee their students' museum internships.

HIST 4020/ ANTH 3440/5440	Introduction to Museum Studies	3
HIST/ARTHIST 4003	Collections Care and Management	3
Major Department - External Museums Internship (see internship options below)		3-4
Major Department - Methods (see methods options below)		3-4
Major Department - Electives (see elective options below)		3-4
Total Hours		**15-18**

Internship Options:

(Internships are specific to each department and are conducted at an institution that identifies as a museum.)		
ANTH 4485	Anthropology Internship	3
ART 3179 Cooperative Internship		3
ART 4186/5186 Studies in:		3
BIOL 3179	Cooperative Education	3
EARTHSCI 3179 Cooperative Internship		3
HIST 3179 Cooperative Internship		3
HIST 4030/5030	Internship in Historical Studies	3
HIST 4186/5186 Studies in:		3
TEXDSGN 4195	Internship in Textile and Apparel	4
RTNL 4510	Internship in Recreation, Tourism and Nonprofit Leadership	3-4
Methods Options:		
ANTH 3450	Archaeological Fieldwork	3
ARTHIST 4000/5000	Research Methods and Writing in Art History	3
ART 4300/5300	Seminar: Critical Issues in Contemporary Art	3
BIOL 3106	Vertebrate Anatomy	4
BIOL 3112	Invertebrate Zoology	4
BIOL 3170	Entomology	3
BIOL 4164/5164	Mammalogy	4
BIOL 4166/5166	Plant Systematics	4
EARTHSCI 1100	Astronomy	3
EARTHSCI 3210/5210	Meteorology	4
EARTHSCI 3325/5325	Sedimentary Geology	4
HIST 4010/5010	Introduction to Public History	3
RTNL 4552/5552	Theory and Practice of Outdoor Education	3

TEXDSGN 2004	EuroAmerican Fashion Design History	3
Elective Options:		
ANTH 2018	Food and Culture	3
ANTH 2430	Bioarchaeology	3
ANTH 3202/5202	Human Biological Variation	3
ANTH 3501	Research Experience in Anthropology	3
ARTHIST: Any Art History 4000-level course		3
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 3100	Evolution, Ecology and the Nature of Science	3
BIOL 3106	Vertebrate Anatomy	4
BIOL 3112	Invertebrate Zoology	4
BIOL 3118	Marine Biology	3
BIOL 3120	Plant Diversity and Evolution	4
BIOL 3160	Field Zoology of Vertebrates	4
BIOL 3170	Entomology	3
BIOL 4164/5164	Mammalogy	4
BIOL 4166/5166	Plant Systematics	4
BIOL 4167/5167	Conservation Biology	3
CHEM 4310/5310	Instrumental Analysis	3
EARTHSCI 3110/5110	Observational Astronomy	2
EARTHSCI 3220/5220	Weather Analysis and Forecasting	3
EARTHSCI 3330/5330	Geomorphology	4
EARTHSCI 3340/5340	Oceanography	3
HIST: Any History 4000-level course		3
TEXDSGN 1002	Textile Science	3
RTNL 2130	Foundations of the Nonprofit Sector	3
RTNL 3121	Philosophical Foundations of Recreation, Tourism and Nonprofit Leadership	3
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership	3
TEXDSGN 2007	Apparel Assembly and Technical Design	3

Sustainability Certificate

Certificate Overview:

Sustainability encompasses a broad spectrum of interdisciplinary topics that address how to promote human prosperity while protecting the planet. The Certificate in Sustainability equips students to:

- Understand the ways in which the economy, environment and human welfare can operate in harmony
- Understand how to apply a systems thinking approach
- Recognize and address the UN Sustainable Development Goals (SDGs)

The certificate provides undergraduate and graduate students with interdisciplinary course offerings while also allowing students to tailor their program to unique interests and needs. The certificate framework consists of on required course (TECH 1015 Introduction to Sustainability (3 s.h.) and 12 hours of electives chosen from the content streams, for a total of 15 credit hours. The required course provides a conceptual and theoretical framework for understanding how society addresses sustainability issues. After taking the foundational course, the certificate offers a number of specialized content streams from which students may choose courses (12 total hours) pertinent to their personal goals and/or professional interests. Students select electives from at least three of the following content streams: **natural and biological environments, mathematical and economic dimensions of sustainability, urban environments and technology, sustainable tourism and outdoor recreation, social, philosophical and political dimensions of sustainability, and teacher education in sustainability and environmental literacy.**

Both undergraduate and graduate students pursuing the Certificate in Sustainability must choose electives in consultation with a sustainability faculty advisor, with plan of study to be approved by the Certificate's faculty oversight committee. Students may seek approval from the committee to include alternative courses among their proposed electives. The course list is updated each semester based on ongoing reviews by the Certificate Curriculum Committee - students and advisors must check with the Certificate Coordinator for the most current list of courses.

Required Course:

TECH 1015	Introduction to Sustainability	3
Content Area Electives - four electives must be chosen from at least 3 content streams using advisor's guidance		**11-12**
Natural and Biological Environments		
BIOL 4105/5105	Wildlife Ecology and Management	
BIOL 4108/5108	Biodiversity Conservation Policy	
BIOL 4167/5167	Conservation Biology	
EARTHSCI 1300	Introduction to Geology	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 2410	Geographic Information Systems I	
GEOG 4310/5310	GIS Applications: (Variable Topic)	
PH 3689	Seminar	
PH 3710/5710	Environmental Health Science	
PH 3730/5730	Toxins and Health	
Mathematical and Economic Dimensions of Sustainability		
ACCT 2130	Principles of Managerial Accounting	
ACCT 3130	Cost Accounting	
BIOL 4157/5157	Biostatistics	
ECON 3225/5225	Environmental Economics	
MKTG 3163	Distribution and Logistics	

MGMT 3167	Global Supply Chain Management
STAT 3771/5771	Applied Statistical Methods for Research
Urban Environments and Technology	
CAP 3140	Environment, Technology, and Society
GEOG 3220	Environmental Geography: Variable Topic
GEOG 4170/5170	Climate Action Planning
GEOG 4250/5250	Laboratory Methods in Environmental Geography
INTDSGN 1001	Introduction to Interior Design
PHYSICS 4300/5300	Introduction to Electronics
PHYSICS 4310/5310	Physical Computing
TECH 1010	Metal Removal Processes
TECH 3102	Living in Our Techno-Social World
or CAP 3102	Living in Our Techno-Social World
TECH 3148	Machine Design
TECH 3180	Lean and Sustainable Operations
Sustainable Tourism and Outdoor Recreation	
RTNL 3778/5778	Community Based Tourism
RTNL 4554/5554	Managing Recreation Impacts on the Natural Environment
RTNL 4776/5776	Eco, Adventure and Sport Tourism
Teacher Education in Sustainability and Environmental Literacy	
ELEMECML 4142/5	Sustainability Applications in Elementary STEM
RTNL 4552/5552	Theory and Practice of Outdoor Education
Social, Philosophical, and Political Dimensions of Sustainability	
CAP 3194	Perspectives on Death and Dying
ENGLISH 4110/5110	Environmental Literature
HIST 4170/5170	U.S. Environmental History
PH 3720/5720	Environmental and Occupational Health Regulations
PHIL/RELS 2550	Environmental Ethics
PHIL/RELS 3510/ CAP 3173	Bio-Medical Ethics

Note: electives must be selected in consultation with an advisor.

Total Hours	**14-15**

Graduate Certificate in Women's and Gender Studies

The Graduate Certificate in Women’s and Gender Studies is under the jurisdiction of the College of Social and Behavioral Sciences.

The Graduate Certificate in Women’s and Gender Studies (WGS) provides students the opportunity to be exposed to the rapidly expanding interdisciplinary scholarship on women’s and gender studies. This program is designed for students currently enrolled in a graduate program at UNI and are seeking a graduate certificate in WGS. The WGS graduate certificate requires 12 credit hours, which must be successfully completed during a five year period to earn the certificate. At least nine hours have to be completed at UNI and at least six of the 12 hours have to be at the 6000-level. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of the Graduate College.

Curriculum requirements consist of one core course and a minimum of nine credit hours of electives. Students must take at least six credit hours of elective course work outside the degree-granting program. Students may petition the Director of WGS to add a relevant course. For more information, contact the Women’s and Gender Studies office, Sabin 225, wgs@uni.edu, or csbs.uni.edu/womenstudies.

Required		
Select one of the following:		3
Languages and Literatures:		
ENGLISH 6120	Feminist Literary Theories and Practice	
Humanities:		
WGS 6289	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories	
Sociology:		
SOC 4071/5071	Feminist Theories in the Social Sciences	
Electives		**9**
Must choose one course from the Social Sciences Category A, one course from the Humanities Category B, and one course from either A, B, or the Experimental Category C.		
Category A: Social Sciences		
Educational Psychology:		
EDPSYCH 4188/5188	Current Approaches to Multicultural Education	
Design, Textiles, Gerontology, & Family Studies:		
FAM SERV 3145/5145	Violence in Intimate Relationships	
Political Science:		
POL AMER 4142/5142	Problems in Juvenile and Family Law	
History:		
HIST 4260/5260	United States Women's History	
HIST 4690/5690	Modern European Women's History	
Sociology/Criminology:		
SOC 3045/5045	Social Inequality	
SOC 4071/5071	Feminist Theories in the Social Sciences	
CRIM 4331/5331	Women, Crime and Society	
Category B: Humanities		

Communication and Media:	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change
COMM 4346/5346	Gender Issues in Communication
Languages and Literatures:	
ENGLISH 4120/5120	Literature, Gender and Intersectionality
ENGLISH 6120	Feminist Literary Theories and Practice
Humanities:	
HUM 3160/5160	Black Women in America: Challenge, Spirit, Survival
WGS 6289	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories
Category C: Experimental	
Social Science:	
WGS 3195/5195	Internship in Women's and Gender Studies
Practicum that has a gender focus and is advised by a WGS faculty member.	
Total Hours	**12**

College of Business

The College of Business offers the following under the supervision and jurisdiction of the college. The programs include:

Graduate Major

- Master of Business Administration (p. 267)

Undergraduate Majors (B.A.)

- Business Teaching (p. 268)

Minors **(**p. 269**)**

- International Business (p. 269) (also listed in Interdisciplinary)
- International Business (Non-Business Majors) (p. 269) (also listed in Interdisciplinary)

Program Certificates

- Business Administration (p. 270)
- Business of Health Care Administration for Business Majors (p. 270) (also listed in Department of Economics and Department of Health, Recreation and Community Services)
- Business of Health Care Administration for Non-Business Majors (p. 271) (also listed in Department of Economics and Department of Health, Recreation and Community Services)
- International Business, Culture, and Language (p. 272) (also listed in Department of Languages and Literatures)

Note: Students majoring in Business Teaching must satisfy the College of Business admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from UNI*Business* Advising in the College of Business or at https://business.uni.edu/students/advising/uni-college-business-policies.

Prior to completion of the admission requirements, students may sign an intent to major in Business Teaching and be classified as a prospective (pre)major. Pre-Business Teaching majors may enroll in lower division (below 3000-level) business courses only. Enrollment in upper division (3000/4000-level) business courses requires satisfactory completion of the College of Business admission requirements and any course prerequisites.

Business Teaching majors may declare a double major and/or major and minor within the College of Business, subject to regulations imposed by those College of Business departments affected. Business Teaching majors minoring within the College of Business must select minors designated for business majors. No more than one emphasis area may be declared in Management.

To graduate with a major in Business Teaching from the College of Business, a student must earn at least 50% (i.e 60 cr. hrs.) of the business credit hours required for the major at UNI. A student must earn a 2.20 cumulative grade point average at UNI; and earn an overall 2.20 grade point average in ACCT xxxx, MKTG xxxx, MGMT xxxx, FIN xxxx, and ECON xxxx courses taken at UNI. In addition, Business Teaching majors must complete a total cumulative and cumulative UNI GPA of 2.50 or better. Students given permission to graduate out-of-residence must earn a 2.20 or better in all courses approved and accepted for out-of-residence credit.

The College of Business may impose additional admission requirements for students wishing to declare a minor or a second College of Business major. Eligibility to declare a minor or a second College of Business major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNI*Business* Advising (CBB 5) in the College of Business.

Master of Business Administration Degree Program

Graduate study in business at UNI is designed to qualify people for creative leadership in organizations. The Master of Business Administration is a broad-based, integrated program which emphasizes the functional areas of business in order to provide the graduate with a balance between theoretical knowledge and practical business operations. The M.B.A. curriculum is designed to meet the needs of working professionals with undergraduate backgrounds in the liberal arts, sciences, engineering, as well as those with degrees in business. The M.B.A. program is accredited by AACSB International, the primary accrediting organization for management education. The program is offered in a face-to-face format at an off-campus location.

The plan of study prescribed for the degree is structured to develop graduates who will have acquired:

1. knowledge of current business practice and management techniques necessary to be effective in managing and leading the day-to-day operations of the organization, as well as scanning the business environment and strategically planning for the future;

2. critical thinking skills to address complex business issues, gather information, identify and evaluate a range of options, and make ethical, thoughtful choices among the alternatives;
3. the ability to use appropriate quantitative and qualitative tools and concepts throughout the problem solving process showing an appreciation for the interrelationships among the various business functions;
4. the ability to effectively participate as a team member, facilitate group processes, and manage team projects;
5. professional written and oral communication skills necessary for effective management.

Admission to the Master of Business Administration program is dependent upon the quality of the applicant's undergraduate record, relevant work experience and academic preparation.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This program is available on the **non-thesis** option only. Students who enter the program with the undergraduate requirements of a baccalaureate degree will normally require **31 semester hours** to complete the program. Those students who enter the program with an undergraduate degree in an area other than business will be required to complete some pre-MBA courses in business or show that they have completed equivalent courses in previous academic work. **A minimum of 12 hours of 6000-level course work is required.** Candidates for the degree are also required to successfully complete and pass a business capstone experience at the end of their program of study. The result of this experience is reported in a paper and filed in the M.B.A. office.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the College of Business for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

Required

Accounting:		
ACCT 6030	Managerial Accounting	3
Marketing:		
MKTG 6170	Marketing Management	3
Management:		
MGMT 6249	Management Information Systems Concepts	3
MGMT 6250	Business Strategy	3
MGMT 6260	Strategic Management of Human Resources	3
MGMT 6262	Cross-Functional Operations	3
MGMT 6272	Research and Analysis for Management Decisions	3
MGMT 6276	Business Capstone Experience	1
or MGMT 6278	Consulting Capstone Experience	
Finance:		
FIN 6266	Financial Management and Markets	3
Economics:		
ECON 6520	Managerial Economics	3
Electives:		
Select 3 hours from the following:		3
BUSINESS 6280	Topics in Business	
Or any 5000 or 6000 level course in ACCT, MKTG, MGMT, FIN (excluding FIN 4130/5130), or ECON, with MBA Program Director approval.		
Total Hours		**31**

Bachelor of Arts Degree Programs

Business Teaching Major

The Business Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, to complete the minimum of 120 hours.

Required business teaching core

Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Business:		
BUSTEACH 2091	Introduction to Curriculum and Methods for Business Education	2
BUSTEACH 3117	Field Experience in Business Teaching	1
BUSTEACH 3191	Advanced Curriculum and Methods for Business Education	2
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 2113	Business Communication	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3965/5965	Organizational Behavior	3
Finance:		
FIN 1040	Financial Skills for Smart Living	3
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics *	3
ECON 2090	Decision Analytics *	3

ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Marketing and Entrepreneurship:		
ENTR 3583/5583	Entrepreneurship	3
Total Hours		**50**

* ECON 1041 or ECON 1031 satisfy the Quantitative Reasoning requirement of the UNIFI/General Education program.

The Professional Education Requirements for the Business Teaching major include 30 hours in the following courses:

EDPSYCH 2030	Dynamics of Human Development	3
EDPSYCH 3148	Learning and Motivation in Classroom Contexts	3
MEASRES 3150	Classroom Assessment	2
SOCFOUND 3119	Schools and American Society	3
SPED 3150	Meeting the Needs of Diverse Learners in Classrooms	2
TEACHING 2017	Level 1 Field Experience: Exploring Teaching	1
TEACHING 3128	Level 2 Field Experience: Lesson Planning and Instruction	1
TEACHING 3138	Secondary School Teaching	4-12
TEACHING 4170/5170	Human Relations: Awareness and Application	3

Minors

International Business Minor

The interdepartmental minor in International Business is available to College of Business students majoring in Accounting, Business Teaching, Economics - Business Economics emphasis, Finance, Management, Management Information Systems, Marketing, Real Estate, and Supply Chain Management. The International Business minor enhances the common body of knowledge gained through the business core by focusing on international trade and commerce issues/perspectives.

Required

World Affairs:		**3**
Select one of the following:		
Geography:		
GEOG 1110	Global Geography	
Political Science:		
POL INTL 1024	International Relations	
International Business core:		**12**
Marketing:		
MKTG 3163	Distribution and Logistics	
or MKTG 3176/51	Global Marketing	
Management:		
MGMT 3189/5189	International Management	
Financial:		
FIN 3032/5032	International Financial Management	
Economics:		
ECON 3249/5249	Economic Development	
International Experience:		0
BUSINESS 3169	International Experience **	
International Electives		
Select one of the following:		2-3
Business, Interdepartmental:		
BUSINESS/CAP 3155	Socio-Economic Reality of Central America *	
Management:		
MGMT 3161	Supply Chain and Purchasing	
Political Science:		
POL INTL 3119	Politics of the Global Economy	
POL INTL 3143	International Law	
POL INTL 3145	International Organizations	
Sociology/Anthropology:		
ANTH 3001	Language and Culture	
ANTH 3104/ PSYCH 4608/5608	Gender in Cross-Cultural Perspective	
International Internship		
Or any additional course listed within the international business core above.		
Total Hours		**17-18**

* This course fulfills the Liberal Arts Core Capstone requirement. Other global perspective Capstone courses may be approved, by student request, to fulfill the requirements of this elective.

** This BUSINESS 3169 course requires the successful completion of an approved study abroad experience, or a departmental internship or cooperative education experience that includes a significant international component. Department internships or cooperative education credits that meet the requirements of the international experience can, by student request, be used to fulfill the elective requirement.

International Business Minor (Non-Business Majors)

The interdepartmental minor in International Business (Non-Business Majors) is available to any non-business major. The purpose of this minor is to allow non-business majors to build a basic body of knowledge concerning business and business operations and expand knowledge with respect to international business, trade, and commerce.

Required

World Affairs		**3**
Select one of the following:		
Geography:		
GEOG 1110	Global Geography	

Political Science:		
POL INTL 1024	International Relations	
Business Core		**15**
Accounting:		
ACCT 2120	Principles of Financial Accounting	
Marketing:		
MKTG 2110	Principles of Marketing	
Management:		
MGMT 3100	Legal and Social Environment of Business	
MGMT 3965/5965	Organizational Behavior	
Economics:		
ECON 1031	Introduction to Business Economics	
International Business core		**8-9**
Management:		
MGMT 3189/5189	International Management	
International electives:		
Select two from the following:		
Business, Interdepartmental:		
BUSINESS/CAP 3155	Socio-Economic Reality of Central America *	
Marketing:		
MKTG 3163	Distribution and Logistics	
MKTG 3176/5176	Global Marketing	
International Internship		
International Experience		**0**
BUSINESS 3169	International Experience **	
Total Hours		**26-27**

* This course fulfills the Liberal Arts Core Capstone requirement. Other global perspective Capstone courses may be approved, by student request, to fulfill the requirements of this elective.

** This BUSINESS 3169 course requires the successful completion of an approved study abroad experience, or a departmental internship or cooperative education experience that includes a significant international component. Department internships or cooperative education credits that meet the requirements of the international experience can, by student request, be used to fulfill the elective requirement.

NOT available to majors in: Accounting, Business Teaching, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, Marketing, Real Estate, and Supply Chain Management.

NOT available to General Business Concepts minors.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the College of Business or the Office of the Registrar, which serves as the centralized registry.

Certificate in Business Administration

This certificate is available to those holding an MSN or concurrently enrolled in an MSN degree program. Courses in business administration supplement an MSN degree's health care leadership courses to prepare an individual for a management role within a health organization.

Required Courses:		
MGMT 6250	Business Strategy	3
ACCT 6030	Managerial Accounting	3
MKTG 6170	Marketing Management	3
MGMT 6262	Cross-Functional Operations	3
MGMT 6260	Strategic Management of Human Resources (or elective determined by the MBA Program Director)	3
Total Hours		**15**

Certificate in Business Of Health Care Administration for Business Majors

The interdisciplinary Health Care Administration certificate for Business Majors includes courses which develop basic business skills for students desiring business careers in health care. Both nonprofit and for-profit health institutions such as clinics, hospitals, insurance companies, medical offices, and long-term care facilities require employees with business skills. Business professionals manage employees, manage finances, raise funds, reduce and manage risk, work with or for insurance companies, and seek ways to provide effective and cost-efficient care. Requires completion of any business major.

Required:		
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Economics:		
ECON 2140	Health Economics	3
Public Health and Education:		
PH 1101	Introduction to Public Health	3
or CAP 3160	Community and Public Health	
PH 3640/5640	Worksite Health Promotion	3
Electives (one of the following):		3
ECON 1001	Economics of Social Issues *	
ECON 2112	Intermediate Microeconomic Theory	
ECON 3217/5217	Economics of Labor Markets	
ECON 3371	Economic and Business Forecasting	
POL AMER 1048	Current and Emerging Issues in Public Administration	
Electives (two of the following):		6
Anthropology:		

ANTH 3102/5102	Culture, Disease, and Healing **
Capstone courses:	
CAP 3173/ RELS 3510/PHIL 3510	Bio-Medical Ethics
CAP 3194/ RELS 3110/PHIL 3110	Perspectives on Death and Dying
Criminology:	
CRIM 3369	Drugs and Society **
Family Services:	
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias
Finance:	
FIN 3050	Risk Management and Insurance
Gerontology:	
GERO/FAM SERV 2111	Families and End of Life Issues
GERO 4170/5170	Long Term Care Administration
Philosophy:	
PHIL/RELS 3110	Perspectives on Death and Dying
Psychology:	
PSYCH 3303/5303	Health Psychology **
Public Health and Education:	
PH 2630	Aging and Health
PH 2620	Stress and Coping
PH 3320/5320	Global Service Mission
PH 2530	Introduction to Women's Health
PH 3330/5330	Minority Health
PH 3340/5340	International Health
PH 3720/5720	Environmental and Occupational Health Regulations
Sociology:	
SOC 3035/5035	Social Gerontology **
SOC 3086/5086	Medical Sociology **
Total Hours	**21**

* Course can be used to satisfy the Responsibility requirement in the UNIFI/General Education program.

** The following courses have additional prerequisites:
ANTH 3102/5102 has prerequisite of SOC 1000 or ANTH 1002. SOC 1000 can be used to satisfy the Human Condition - Domestic requirement in the UNIFI/General Education program. ANTH 1002 can be used to satisfy the Human Condition - Global requirement in the UNIFI/General Education program.
CRIM 3369 has prerequisite of SOC 1000 or SOC 1060; CRIM 2025. SOC 1000 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
PSYCH 3303/5303 has prerequisite of PSYCH 1001. PSYCH 1001 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
SOC 3035/5035 and SOC 3086/5086 have prerequisite of SOC 1000 or SOC 1060. SOC 1000 and SOC 1060 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

Certificate in Business Of Health Care Administration for Non-Business Majors

The interdisciplinary Health Care Administration certificate for Non-Business majors includes courses which develop basic business skills for students desiring business careers in health care. Both nonprofit and for-profit health institutions such as clinics, hospitals, insurance companies, medical offices, and long-term care facilities require employees with business skills. Business professionals manage employees, manage finances, raise funds, reduce and manage risk, work with or for insurance companies, and seek ways to provide effective and cost-efficient care.

Required:		
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Economics:		
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
ECON 2140	Health Economics	3
Public Health and Education:		
PH 1101	Introduction to Public Health	3
or CAP 3160	Community and Public Health	
PH 3640/5640	Worksite Health Promotion	3
Elective(s) from the following (select one if major or minor requires no economics; select two if major or minor requires economics):		3-6
Anthropology:		
ANTH 3102/5102	Culture, Disease, and Healing *	
Capstone courses:		
CAP 3173/ RELS 3510/PHIL 3510	Bio-Medical Ethics	
CAP 3194/ RELS 3110/PHIL 3110	Perspectives on Death and Dying	
Criminology:		
CRIM 3369	Drugs and Society *	
Family Services:		
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias	
Finance:		
FIN 3050	Risk Management and Insurance	
Gerontology:		

GERO/FAM SERV 2111	Families and End of Life Issues	
GERO 4170/5170	Long Term Care Administration	
Philosophy:		
PHIL/RELS 3110	Perspectives on Death and Dying	
Political Science:		
POL AMER 1048	Current and Emerging Issues in Public Administration	
Psychology:		
PSYCH 3303/5303	Health Psychology *	
Public Health and Education:		
PH 2630	Aging and Health	
PH 2620	Stress and Coping	
PH 3320/5320	Global Service Mission	
PH 2530	Introduction to Women's Health	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
PH 3720/5720	Environmental and Occupational Health Regulations	
Sociology:		
SOC 3035/5035	Social Gerontology *	
SOC 3086/5086	Medical Sociology *	
Total Hours		**18-21**

* The following courses have additional prerequisites:
ANTH 3102/5102 has prerequisite of SOC 1000 or ANTH 1002. SOC 1000 or ANTH 1002 can be used to satisfy UNIFI/General Education requirements.
CRIM 3369 has prerequisite of SOC 1000 or SOC 1060; CRIM 2025. SOC 1000 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
PSYCH 3303/5303 has prerequisite of PSYCH 1001. PSYCH 1001 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
SOC 3035/5035 and SOC 3086/5086 have prerequisite of SOC 1000 or SOC 1060. SOC 1000 or SOC 1060 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

Certificate in International Business, Culture, and Language

The Certificate in International Business, Culture, and Language is available to College of Business students majoring in Accounting, Business Teaching, Economics, Finance, Management, Management Information Systems, Marketing, Real Estate, and Supply Chain Management and to students completing the General Business Concepts minor. The purpose of this certificate is to encourage students to seek language and cultural knowledge in order to build a foundation for understanding the global environment in which business operates. For more information students should contact UNI*Business* Advising, CBB 5. To enroll in this program students must declare their intent on a Declaration of Curriculum form. The form may be obtained in CBB 5.

International Business		
MGMT 3189/5189	International Management	3
Cultural and Political Perspectives		
Select one of the following:		3
Political Science:		
POL INTL 1024	International Relations *	
Geography:		
GEOG 1110	Global Geography *	
Sociology:		
SOC 1000	Introduction to Sociology *	
Anthropology:		
ANTH 1002	Introduction to Cultural Anthropology *	
Philosophy and World Religions:		
RELS 1020	Religions of the World *	
RELS/PHIL 1540	Ethics in Business	
Foreign Language and History +		
Select one of the language options below:		9-15

Chinese (14-15 hours)

CHIN 1001	Elementary Chinese I **	4
CHIN 1002	Elementary Chinese II **	4
Select two of the following:		
CHIN 1011	Intermediate Chinese I	4-5
RELS 2100	Great Living Religions: Hinduism and Buddhism	3
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	3
HUM 3124	China *	3
POL COMP 3162	Politics of East Asia	3
HIST 4850/5850	Pre-Modern Chinese History	3
HIST 4860/5860	Modern Chinese History	3

French (12 hours)

FREN 1001	Introduction to French Language and Culture I **	3
FREN 1002	Introduction to French Language and Culture II **	3
Select two of the following:		
FREN 2001	Intermediate French Language and Culture	3
FREN 2002	Composition	3
FREN 2012	Advanced Topics in French Conversation: ____	3

German (12 hours)

GER 1001	German Language and Culture I **	3
GER 1002	German Language and Culture II **	3

Select two of the following:		
ENGLISH/CAP 3148	The Holocaust in Literature and Film	3
HIST 4460/5460	History of Germany to 1648	3
HIST 4630/5630	History of Germany Since 1648	3

Spanish (12 hours)

SPAN 1001	Elementary Spanish I **	3
SPAN 1002	Elementary Spanish II **	3
Select two of the following:		
HUM 3123	Latin America *	3
SPAN 2001	Intermediate Spanish	3
SPAN 2002	Oral and Written Spanish	3
SPAN 2053	Spanish for Special Purposes: _____	3
SPAN 3001	Advanced Writing ***	3
SPAN 3006	Spanish for Heritage Speakers ***	3
SPAN 3020	Latin American Culture and Civilization ^	3
SPAN 3050/5050	Written Communication ***	3
SPAN 3052/5052	Contemporary Hispanic Culture	3-5
HIST 4720/5720	Modern Latin American History	3
POL COMP 3167	Latin American Politics	3

English (9 hours)**

Select one of the following:		3
HIST 1023	History of the United States	
POL AMER 1014	Power & Politics in the U.S. *	
Select two of the following:		
ENGLISH 2520	Multicultural Literature	3
ENGLISH 2340	Survey of English Literature II: Romantics to Post-Colonialism ^	3
ENGLISH 2420	Survey of American Literature ^	3
ENGLISH 4410/ RELS 4230/5230	Early American Literature ^	3
ENGLISH 4420/5420	The American Renaissance ^	3
ENGLISH 4445/5445	American Novel Since 1900 ^	3
HIST 4235/5235	Popular Culture in the United States	3
HIST 4275/5275	United States Constitutional History	3
HIST 4240/5240	History of American Thought	3
HIST 4250/5250	Religion in America	3
RELS 3180	Religion and Politics: (Topics)	3

+ A student's native language cannot be used to meet the language requirement of the certificate.

* Credit hours in these UNIFI/General Education courses may be applied toward the completion of the UNIFI/General Education requirement and the completion of this certificate program.

** Students who received credit toward the foreign language competency requirement for UNI graduation from satisfactory performance in high school language courses or students who can pass an equivalency examination do not need to take these courses.

*** Students may choose only one of the following courses as an elective: SPAN 3001, SPAN 3006, or SPAN 3050/5050

**** Available only for students who are non-native English speakers.

^ The following courses have additional prerequisites:
SPAN 3020 has prerequisite of SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent.
ENGLISH 2340 and ENGLISH 2420 have prerequisite or corequisite ENGLISH 2120.
ENGLISH 4410/5410, ENGLISH 4420/5420, and ENGLISH 4445/5445, have prerequisites ENGLISH 2120 or consent of instructor, and junior standing.

Summary

1. International Business	3
2. Cultural and Political Perspectives	3
3. Foreign Language and History *	9-15
Chinese: 14-15 hours	
French: 12 hours	
German: 12 hours	
Spanish: 12 hours	
English: 9 hours	
Total Hours	**15-21**

Expanded Career Option for Secondary Teacher Licensure

(Available to non-teaching business majors only.)

Majors in Accounting, Economics: Business Economics, Finance, Management, Management Information Systems, Marketing, Real Estate, and Supply Chain Management in the College of Business have the option of receiving secondary teaching licensure to teach Business All 5-12. A student may complete this option by taking the required licensing courses as general university electives. The total number of hours required for licensure will be 44. This will expand the student's program beyond the normal eight semesters. Specific licensure requirements and information about this expanded career option may be obtained from the College of Business.

Other Licensure Options

Additional vocational licensure is available in multi-occupations.

College of Education

The Doctor of Education Degree is one degree supervised through the College of Education. It can be completed with one of the following *Intensive Study Area* concentrations:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*

- *Educational Leadership*
- *Postsecondary Education: Student Affairs*

Students interested in the interdisciplinary Doctor of Education (Ed.D.) degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

This program is intended to provide practicing educators, informal and nonformal settings, the opportunity to continue their study and earn the terminal professional degree in their field. The Ed.D. degree requires a **minimum of 48 semester hours of credit beyond the master's degree**. There are three components to the program:

Professional Common Core (work in educational foundations, fundamentals, and research)	24
Advanced Professional Study (in one of three areas of intensive study)	15
Dissertation	9
Total Hours	**48**

By design, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice.

Note: Students interested in special education within the Curriculum and Instruction ISA or the Educational Leadership ISA should consult the respective ISA descriptions for further information.

In some areas, it is possible to combine doctoral degree study with work toward an endorsement to perform a particular role in K-12 education.

Brief definitions of the four ISAs follows:

Allied Health, Recreation, and Community Services

This area of intensive study is designed to provide students with advanced planning, management, supervision and evaluation of programs in the community and its institutions. The combined areas of allied health, recreation and community services are diverse professional areas knitted together by a unified commitment to enhancing, enriching and sustaining the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, or practitioners in public and environmental health departments, recreation and tourism industry; allied health and social services agencies; the military, government, and non-governmental agencies; religious organizations; libraries and museums; and civic and professional associations. The program of study will be based upon students' needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Head of the Department of Health, Recreation and community Services.)

Curriculum and Instruction

This area of intensive study is designed to prepare scholar practitioners to plan, implement, evaluate, and supervise educational programs for children, from infancy through adolescence, and adult learners, inclusive of a wide variety of diversity. Faculty in this intensive study area come from many departments and disciplines including, but not limited to, prekindergarten through tertiary curriculum and pedagogy; foundations of education in psychology, philosophy, social sciences; disability studies in education, gifted and talented, and multicultural education; literacy education; instructional technology, school library studies; and P-12 content areas such as mathematics, physical education, science, social studies, and language arts. Students interested in becoming special education scholar-practitioners to plan, implement, evaluate, and supervise educational programs for children and adult learners with an emphasis on inclusion and diversity will apply for admission through the Curriculum and Instruction Intensive Study Area. For more information see www.uni.edu/coe/departments/curriculum-instruction/graduate-study/doctoral-study.

Educational Leadership

This area of intensive study in education administration prepares personnel for leadership positions in PK-12 schools, post-secondary institutions, and other educational services or settings. Typical positions held by educators with the terminal degree focused on educational leadership include: principals, superintendents, school district central office administrators, professors of educational leadership, special education directors at the Area Education Agency level or Department of Education administrators and consultants. Students interested in special education administration will apply for admission through Educational Psychology, Foundations, and Leadership Studies. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Postsecondary Education: Student Affairs

This area of intensive study in postsecondary education prepares personnel for leadership positions in colleges and universities. Typical positions held by educators with the terminal degree focused on postsecondary education include: department heads, directors, vice presidents, professors, and consultants. (For more information, contact the Head, Department of Educational Psychology, Foundations, and Leadership Studies, or please see the catalog at www.uni.edu/catalog/collegeofeducation/edpsychfoundleadershipstudies or visit the Department of Educational Psychology, Foundations, and Leadership Studies website at https://coe.uni.edu/epfls.

Admission to Doctoral Study

Initial Admission

Application for graduate admission can be found at https://admissions.uni.edu/application.

Admission to the program will be granted to those applicants who provide evidence of prior academic success; successful and appropriate professional experience; effective oral, written, and interpersonal communication skills; and professional and academic goals that may be effectively served by the degree program offered. Additional criteria may be established by an area of intensive study since some previous specialization work is presumed.

1. The applicant must hold a master's degree from a regionally accredited institution of higher education.

2. Each applicant must submit official transcripts from all degree-granting universities, and from any colleges or institutions attended after earning their bachelor's degree.

3. Applicants may choose to submit one of the following required components, to be submitted to the Admissions Office.

   a. The Graduate Record Examination (GRE) is required for admission - including the verbal, analytical, writing, and qualitative scores; OR

   b. A writing sample (electronic) that reflects the applicant's writing ability from previous academic work. This professional writing sample may consist of a master's research paper or thesis, published article in an academic venue, or a paper presented at a professional conference.

4. The applicant must have a minimum of three years of professional experience.

5. Three letters of recommendation must be submitted from individuals familiar with the applicant's potential for advanced professional study, at least one from a professor familiar with the applicant as a student and at least one from an employer/supervisor in the applicant's profession.

6. Scores on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) are required from applicants whose first language is not English. The minimum required scores for regular admission without provision and eligibility to enroll in graduate courses is 550 (paper) / 79 (Internet) on the TOEFL or 6.5 on the IELTS. The requirement to submit these scores may be waived only by the Graduate College through a direct request from a graduate program (not from a prospective student). A typical circumstance in which a waiver may be granted is that the student has completed a bachelor's or graduate degree at an accredited English-speaking institution.

7. The UNI Ed.D. program requires a written statement from each applicant as part of the total application packet. The written statement should articulate the applicant’s professional background, reason for seeking the doctoral degree within the specific ISA, research interests, and a statement of career goals.

8. Applicants must have master’s level introduction to statistics coursework prior to beginning this program: KAHHS 6210 or equivalent.
   For applicants who do not have this requirement fulfilled, applicants should enroll in the online introduction to statistics course which will be available during the summer session prior to the fall start of the cohort for the Ed.D. program.

   Regular admission with provisions **may** be recommended for an applicant who does not meet all of the requirements or for whom it is felt that further graduate course work or professional experience would be useful in making the admission decision. Admission with provisions will not be considered for applicants whose admission files are incomplete. A student admitted with provisions must be formally reclassified as an unconditional admit and course work completed during that time must be subsequently approved by an appropriate faculty committee before it may be applied to a degree. Soon after admission, an advisor will be appointed for each student. In most instances, the advisor will be from the student's area of intensive study. The student should meet with the advisor to discuss the coursework to be submitted for approval for application to their 15-hour intensive study area.

General Regulations

See also the Common Regulations and Requirements for All Graduate Programs.

1. **Maximum academic load**

   See the Common Regulations and Requirements for all Graduate Programs.

2. **Credit from Other Institutions**

   All transfer credit, including work taken prior to formal admission, is subject to review by the Office of Admissions, Dean of the Graduate College or designee, Dean or Associate Dean of the College of Education, and the College Committee for Doctoral Study. The student's doctoral advisor and program coordinator will make recommendations regarding the applicability of transfer credit. Hours that have been applied to the first master’s degree cannot be transferred.

   *Credit from other Institutions***:** If applicants wish to have graduate level **transfer courses** considered for their graduate degree at UNI, official transcripts must be submitted to the UNI Office of Admissions at the time of admission to graduate study. Courses will not be evaluated for transfer credit eligibility until the student is in attendance at UNI. See https://admissions.uni.edu/apply for further information.

   A maximum of 6 credits can be applied to both a doctoral degree and a second or third Master’s degree or a Specialist degree.

   A student must complete at least 36 hours of credit, including the Professional Common Core, with members of the UNI Graduate Faculty.

Graduation Requirements

1. **Scholarship**

   A cumulative grade point average of 3.00 or above (on a 4.00 scale) must be maintained for all course work taken toward the Doctor of Education degree at the University of Northern Iowa. No more than 6 semester hours of C credit (C-, C, C+) may be applied toward credit for graduation. A course with a grade lower than C- cannot be used to fulfill degree requirements. See also the Common Regulations and Requirements for All Graduate Programs.

2. **Hours of Credit**

   A minimum of 48 semester hours of credit beyond the master’s degree is required. Students must complete the 24-credit Professional Common Core, the 15-credit Advanced Professional Study in one of four intensive study areas, and 9 credits of Dissertation Research.

   a. **Level of courses**

      Credit earned as part of the candidate's degree will be earned in courses which are at the graduate level (5000-level, 6000-level, or 7000-level). A minimum of 36 hours of course work at the 6000-level or 7000-level must be completed. No more

than 12 hours of credit at the 5000-level may apply toward the minimum hours.

b. **Research credit**

9 hours of INTDEPED 7399 (p. 273) is required for the degree. No more than 9 hours of research may be taken. Departmental 7399 courses will not be used to add additional research hours to the degree and should not be taken. Master's-level Research courses 6299 cannot be applied to a doctoral degree. Directed Research 629R may be taken after all hours of have been registered for, but for no more than 12 hours total and for no more than 6 hours in a given term. 629R cannot be applied to the required minimum hours for the degree or the required minimum hours of 6000-level or 7000-level for the degree.

c. **Dissertation Research Hours**

The dissertation will involve 9 hours of credit. The instructor may assign an RC for Research Continued, if they feel the work has not reached the stage where it can be evaluated.

In conjunction with the Graduate College, the Registrar may authorize an extension of time for the completion of *Research Continued (RC)* in research up to one additional calendar year with the consent of the instructor (beyond the 48 month duration). If at the end of that time the work has not been completed, the grade of *RC* will be changed to an *F (Failure).* Once the extended instructional period is finished, the *RC* grade will be replaced with the appropriate grade assigned by the instructor. If the *RC* grade is not replaced with an appropriate grade within an instructional period, the *RC* will be automatically entered as an *F* on the student record after 48 months.

3. **Time Limitation (Recency of credit)**

Courses taken more than ten (10) years prior to the granting of the degree cannot be used to meet degree requirements. See the Common Regulations and Requirements for All Graduate Programs for information on extensions for military active duty or FMLA-type circumstances.

4. **Guided Independent Study**

See the Common Regulations and Requirements for All Graduate Programs.

5. **Workshop credit**

See the Common Regulations and Requirements for All Graduate Programs.

6. **Residence requirement**

A student must complete 36 hours of credit, including the Professional Common Core, with members of the UNI Graduate Faculty.

7. **Assessments**

The following examinations are required of all students enrolled in the Doctor of Education program:

a. **Doctoral comprehensive requirement**

The comprehensive requirement is aligned with the dissertation proposal presentation. Successful defense of the doctoral dissertation proposal will satisfy the comprehensive requirement of the program. Upon successful completion of the comprehensive requirement, the degree candidate achieves the status of an active candidate. Completion of the comprehensive requirement is reported to the Graduate College by the student's department via an electronic form. The doctoral comprehensive requirement is governed by the following conditions:

i. The candidate will have completed a minimum of 30 hours of the program of study for a comprehensive examination.

ii. The candidate will have satisfied the research proficiency requirement.

iii. A candidate may be permitted to take the doctoral comprehensive examination a second time.

Post-comprehensive registration

Doctoral students who have completed all of their program but the dissertation, and who have passed their comprehensive examination, must be continuously registered until the degree is completed. Students reaching this stage will be automatically registered and assessed a fee for , the post-comprehensive registration number. Students who have completed their coursework, but have not yet passed the INTDEPED 7300 Post Comprehensive Examination, will be automatically registered and assessed a fee for INTDEPED:629C Continuous Registration until they have met the eligibility criteria for INTDEPED 7300.

b. **Doctoral dissertation examination**

Upon completion of their doctoral dissertation, the active candidate will request and submit to a public examination over the content, methodology, and results of the dissertation research. An announcement of this examination (defense) should be disseminated by the COE Dean's Office no less than 2 weeks prior to the defense date.

8. **Dissertation**

A dissertation is required of all candidates for the Doctor of Education degree. Because the dissertation is considered to serve a functional need, no attempt is made to limit the topics considered applicable. The dissertation is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at https://guides.lib.uni.edu/thesis-and-dissertation-formatting/. This manual should be consulted prior to writing the dissertation.

The dissertation may take the form of studies, experiments, surveys, compositions, creative work and projects, and may concern itself with such matters as methodology, understanding children, and materials of instruction, or may delve rather deeply into some aspect of a specialized academic field. Whatever the nature of the subject, its development into an acceptable dissertation is considered to contribute to the growth of such attributes as maturity of judgment, initiative, writing ability, and

organizational ability. The dissertation should make a contribution to the world's knowledge. Its preparation should develop in the writer a broader understanding of the world's knowledge and a more genuine appreciation of the research efforts of others.

a. **Selection of Dissertation Topic**

Students following the dissertation plan of study are urged to make at least a tentative selection of a topic early in their program.

b. **Dissertation Committee**

Doctoral candidates must form a committee consisting of a minimum of three core members. Two committee members, including the chair, must be current UNI graduate faculty and a third committee member may be a current UNI graduate faculty or outside member/practitioner holding associate graduate faculty status. The basic core composition will consist of a chair and two regular members. All members will be approved by the Graduate College in conjunction with the College of Education, to serve on the committee. The College of Education may elect to designate a member in a specific role at the discretion of COE's academic dean or representative.

Up to two additional committee members (readers or contributors) may be added at the discretion of the committee chair and the College of Education. These additional personnel may participate in all committee responsibilities except for signature decisions.

The committee assists students to further define course work, supervises dissertation research and writing, and eventually accepts or rejects the dissertation. Further committee responsibilities are outlined in the Thesis and Dissertation Manual. Candidates must file a Committee Appointment Form (available at https://grad.uni.edu/current-students) for Graduate College approval.

c. **Doctoral dissertation proposal**

The student, in conjunction with their advisor, should make arrangements to present the dissertation proposal to the doctoral committee as a group. Formal work on the dissertation may not proceed without approval from the committee. An announcement of proposed defense should be disseminated following the College of Education’s internal rules.

d. **Formatting Assistance and Preliminary Checks**

Students may elect to attend a formatting workshop to guide them towards meeting the document formatting requirements for their dissertation. Workshops are provided during Fall and Spring semesters and benefit students who have a proposal draft, or equivalent to three chapters.

Students may also choose to send a copy to the Reviewer for a preliminary check. This should occur as early as the semester in which the proposal is approved. This check will be an abridged session which will cover all components of the final review.

Students may also schedule appointments with the Reviewer for further assistance.

e. **Graduate College Review Deadline and Oral Defense to Committee**

The Graduate College Review and Oral Defense may occur in any order so long as the work is submitted to the Graduate College by the review deadline for the semester of completion. These processes may be occurring simultaneously. Because of this, the section includes information on both processes.

i. **Graduate College Review -** In the semester of intended completion, the student must submit an electronic copy of the dissertation to the Graduate College for review. This does not need to be a final copy of the document, but should be close to the end product.

This review will point out errors of style and provide a citation review. Common errors will not be identified throughout the whole document; rather students will be guided to understand the common error with the expectation they will apply it throughout the document. All corrections requested at the time of review must be completed prior to submission.

Appointments with the Reviewer may help direct the student’s understanding of the corrections and the student should work with their committee to ensure these corrections properly reflect the expectation of their field.

The review deadline for Fall and Spring semesters is **six weeks prior to commencement.** For summer deadlines, see the section on summer term and deadlines

ii. **Oral Defense to Committee -** All students must have a formal oral defense of their dissertation before a committee, which must meet the composition noted in the section above. Further information relevant to doctoral candidates is outlined in the Examinations section above. Upon successful completion of the defense, the student is required to submit the electronic EdD Dissertation Approval Form (available at https://grad.uni.edu/current-students). Note: this form will go to the chair for approval, as well as College of Education approvers, before being sent to the Graduate College. This form will not be approved by the Graduate College until final approval is granted (below) so the student should not wait for a notification and should continue the process of submitting their work.

The student may choose to bring print copies of the approval pages (the two title pages with signature lines, located within the formatted dissertation document) to the defense to be signed by the committee for personal use (e.g. use in binding a print copy for their personal libraries). The Graduate College does not require this and does not facilitate the binding of personal copies. The student should obtain committee members’ signatures and then submit the page(s) to the Grad College office, for the dean’s signature, along with a mailing address for them to be returned to upon final approval. This should be printed on white, acid free, 25% or 100% cotton paper.

While there is no official deadline for oral defenses at the Graduate College level (students should contact their departments for any internal deadlines), students should aim to complete this defense with enough time to make any final changes prior to the submission deadline. Announcement of the defense should follow the College of Education's guidelines.

f. **Submission Deadline and Process**

Submission of the dissertation may occur once the committee's approval of the content and the oral defense is granted and all requirements at the departmental level have been satisfied. The student must have met all of the expectations outlined at the time of the review. Submission for a doctoral dissertation includes: (1) sending an electronic copy of the final dissertation to the Graduate College for a final check, (2) submission of the electronic EdD Dissertation Approval Form (available at https://grad.uni.edu/current-students), and (3) submission of the Survey of Earned Doctorates which can be found at https://sed-ncses.org/login.aspx. Note: Submission **does not** guarantee final approval. The submission deadline for Fall and Spring semesters is **two weeks prior to commencement**. For summer deadlines, see the section on summer term and deadlines.

i. **Final Check -** Once the final copy has been submitted to the Graduate College, the final check process will begin. This check will ensure that any minor revisions necessary to meet requirements are clarified to the student and made in a timely manner. Matters of citation management and proper use, as well as document formatting, will be checked at this time.

If a submitted dissertation requires more substantial corrections at the time of the final check, the student will receive direction on what corrections and edits they must make to be approved and given a new timeline to re-submit. **Substantial corrections and/or missing the deadlines outlined in the updated timeline may delay approval to a future semester**.

ii. **Final Approval -** Students will be granted final approval upon fulfilling any final corrections requested during the final check. Students need to submit the Library Permission to Preserve Form, sent to them at the time of approval, for Rod Library's ScholarWorks unit. This form dictates the approved levels of access to the electronic dissertation through UNI's digital repository. Chairs should discuss any needs for embargo periods, to allow for publication, or restrictions to the student's work that the student should consider. It ultimately is up to the student, as the scholar, to determine which levels of access best suit their needs.

Upon receipt of the Library Permission to Preserve Form, the dissertation approval process is finalized and a notification is sent to the Office of the Registrar to record the completion of the requirement.

If a student sent paper copies of their approval page to the Graduate College, they receive the dean's signature at this time.

iii. **Dissertation Fee -** All doctoral students are billed a one-time, nonrefundable dissertation fee for the support, processing, and retention of the work. This fee will be applied to the U-Bill at the time of final approval.

g. **Summer Term and Deadlines**

Due to the nature of summer term, the deadline for review and submission of the dissertation follows a different timeline than fall and spring.

i. Students must submit for the review deadline during the spring term immediately preceding the summer in which they intend to complete their thesis.

ii. **The final submission must be made by the final day of class in the summer term.**

iii. Students must consult with their committee and department to ensure availability to assist the student with completing their research and defending over the summer term. It is recommended that departments draft a memorandum of understanding with faculty who are not on contract; however, students are ultimately responsible for clearly communicating their intent with their committee and forming an agreeable schedule with everyone involved.

9. **Application for Graduation**

It is the student's responsibility to make a timely application to graduate during the term the final degree requirements are completed.

Application for graduation must be completed online through MyUNIverse Student Center. A non-refundable graduation fee is charged each term a student applies to graduate. **To avoid paying a late application fee, an application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students' names are eligible for inclusion in the commencement publication. Note that inclusion in the commencement publication is dependent upon meeting all requirements and receiving Graduate College approval. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a late application fee will be charged in addition to the normal graduation fee, and their names might not be included in the commencement publication. **Applications submitted after the end of the term will generally *not* be processed for degree conferral for the term just past.** If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term. Late fees apply.

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Fall commencement or thereafter as indicated below:

Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee,

Applications for Graduation must be submitted by the following deadlines:

a. Spring graduate degree candidates must submit their application by April 1.

b. Fall graduate degree candidates must submit their application by November 10.

c. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the paragraph immediately below:

d. ***Summer Graduation - Doctoral Degree Students****:* All summer doctoral candidates may only participate in fall commencement or thereafter.

Attendance at commencement

The candidate for the Doctor of Education degree is expected to secure the appropriate academic regalia and appear at commencement for the awarding of the degree. The candidate is not eligible to participate in commencement before the dissertation is submitted to the Graduate College and all degree requirements are met.

Doctor of Education Professional Common Core for all Intensive Study Areas

Substantive Component: 15 credit hours (3 credits per course)		**15**
INTDEPED 7303	Foundations of Inquiry	
INTDEPED 7318	Evidence-Based Practices, Assessment, Accountability, and Program Evaluation	
INTDEPED 7320	Leadership in Formal and Informal Learning Environments	
or EDLEAD 7311	Educational Leadership and Systems Change	
or EDLEAD 6245	Leadership for Effective Schools	
INTDEPED 7324	Critical Analysis of Social and Cultural Contexts in Education	
INTDEPED 7326	Integrating Theory with Practice	
Research Methods (3 credits per course)		**9**
INTDEPED 7314	Qualitative Research Design for Practice	
INTDEPED 7316	Quantitative Research Design for Practice	
Advanced Methods Course:		
Choose one or more of the following 3-credit-hour courses:		
MEASRES 6270	Educational Program Evaluation	
MEASRES 7310	Advanced Qualitative Methods in Educational Research	
MEASRES 7330	Advanced Quantitative Research in Education	
Total hours in Professional Common Core		24

Allied Health, Recreation and Community Services Intensive Study Area Requirements

I. Professional Common Core		**24**
II. Advanced Professional Studies (15 hours)		
Required Courses in Allied Health, Recreation and Community Services Intensive Study Area:		
KAHHS 7410	Critical Theories and Practices I	3
KAHHS 7329	Research and Evaluation Seminar	3
Nine (9) credits from the following courses:		**9**
INTDEPED 7322	Organizational and Community Transformation	
EDLEAD 7311	Educational Leadership and Systems Change	
POSTSEC 6268	Social Justice and Inclusion	
POSTSEC 6274	Higher Education Law	
POSTSEC 7372	College Effects on Students	
POSTSEC 7373	Administration and Finance in Higher Education	
POSTSEC 7374	Organizational Processes and Communication	
RTNL 6XXX - Any 6000-level course		
PH 6XXX - any 6000-level course		
III. Dissertation Research		**9**
INTDEPED 7399	Dissertation Research	
Total Hours		**48**

Curriculum & Instruction Intensive Study Area Requirements

I. Professional Common Core		**24**
II. Advanced Professional Studies (15 hours)		
Required Courses in Curriculum and Instruction Intensive Study Area:		
ELEMECML 7352	Curriculum Theory and Development	3
ELEMECML 7354	Curriculum Implementation and Evaluation	3
ELEMECML 7389	Seminar in Curriculum and Instruction	3
ELEMECML 7397	Practicum in Curriculum and Instruction	3
LRNTECH 7340	Designing Instructional Systems	3
or LRNTECH 6240	Understanding Instructional Design	
III. Dissertation Research		**9**
INTDEPED 7399	Dissertation Research	
Total Hours		**48**

Educational Leadership Intensive Study Area Requirements

This intensive study area is available in three tracks: The Superintendency track, the Principalship track, and the Special Education Director track.

Superintendency Track

I. Professional Common Core		**24**
II. Advanced Professional Studies (15 hours)		
Required Courses in Educational Leadership Superintendency Track:		
EDLEAD 7310	Human Resource Administration	3
EDLEAD 7315	Leading Teaching, Learning and Assessment	3
EDLEAD 7319	Power, Politics, and Ethics in School District Leadership	3
EDLEAD 7340	Funding the Educational Program for Improved Student Achievement	3
EDLEAD 7346	School Business Management	3
III. Dissertation		**9**
INTDEPED 7399	Dissertation Research	
Total Hours		**48**

Principalship Track

I. Professional Common Core		**24**
II. Advanced Professional Studies (15 hours)		
Required Courses in Educational Leadership Principalship Track:		
EDLEAD 6232	School Governance, Law and Intersystems Relations	3
EDLEAD 6247	School Management for Student Learning	3
EDLEAD 6248	Leading Instruction in Schools	3
EDLEAD 6249	Leading Learning, Teaching, and Curriculum	3
EDLEAD 6284	Evaluator Approval for Improved Student Learning	3
III. Dissertation		**9**
INTDEPED 7399	Dissertation Research	
Total Hours		**48**

Special Education Director Track

I. Professional Common Core		**24**
II. Advanced Professional Studies (15 hours)		
Required courses in Educational Leadership Special Education Director Track:		
EDLEAD 6232	School Governance, Law and Intersystems Relations	3
EDLEAD 6284	Evaluator Approval for Improved Student Learning	3
SPED 6260	Special Education Law and Policy	3
SPED 6278	Administration of Special Education	3
SPED 6290	Practicum	3
III. Dissertation Research		9
INTDEPED 7399	Dissertation Research	
Total Hours		**48**

Postsecondary Education: Student Affairs Intensive Study Area Requirements

I. Professional Common Core		**24**
II. Advanced Professional Studies (15 hours)		
Required Courses in Postsecondary Education: Student Affairs Intensive Study Area:		
POSTSEC 6268	Social Justice and Inclusion	3
POSTSEC 7274	Doctoral Higher Education Law	3
POSTSEC 7372	College Effects on Students	3
POSTSEC 7373	Administration and Finance in Higher Education	3
POSTSEC 7374	Organizational Processes and Communication	3
III. Dissertation Research		**9**
INTDEPED 7399	Dissertation Research	
Total Hours		**48**

College of Social and Behavioral Sciences

The College of Social and Behavioral Sciences offers the following under the supervision and jurisdiction of the college.

Minor

- Studies in Sexuality, Women and Gender (p. 280) (also listed in interdisciplinary section)

Graduate Major (M.A.)

- Women's and Gender Studies (p. 281) (also listed in interdisciplinary section)

Program Certificate

- Women's and Gender Studies (p. 283) (graduate certificate) (also listed in interdisciplinary section)

Minor

Studies in Sexuality, Women and Gender Minor

Studies in Sexuality, Women and Gender Minor is an interdisciplinary and multicultural program that engages in research and exploration concerning all areas of human experience. Its unique perspective strengthens the abilities of students within any major to critically analyze theory and research emphasizing the importance of gender while including other essential categories of analysis such as race, class, sexuality, ethnicity, and nationality. This 18 credit hour program provides skills that are useful to all majors. This program is offered under the jurisdiction and general supervision of the College of Social and Behavioral Sciences. For more information, contact the Women's and Gender Studies office, Sabin 225, wgs@uni.edu, or *csbs.uni.edu/womenstudies*.

Required	**6**
Humanities:	

WGS 1040	Women's and Gender Studies: Introduction	
Choose one of the following:		
WGS 2040	Introduction to LGBTQ Studies	
FAM SERV 1057	Human Relationships and Sexuality	
RELS/PHIL 2570	Good Sex: The Ethics of Human Sexuality	
Electives:		**12**
Anthropology:		
ANTH 3104/ PSYCH 4608/5608	Gender in Cross-Cultural Perspective *	
Communication and Media:		
COMM 4346/5346	Gender Issues in Communication	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
Criminology:		
CRIM 4331/5331	Women, Crime and Society *	
Educational Psychology:		
EDPSYCH 4140/5140	Social Psychology in Educational Contexts	
Languages and Literature:		
ENGLISH 1120	Literature: (topic) (Topics in Women's and Gender Studies ONLY)	
ENGLISH 4120/5120	Literature, Gender and Intersectionality *	
ENGLISH 4420/5420	The American Renaissance *	
ENGLISH 4425/5425	American Realism and Naturalism to WWI *	
Family Services:		
FAM SERV 1057	Human Relationships and Sexuality	
FAM SERV 3145/5145	Violence in Intimate Relationships	
Public Health and Education:		
PH 2530	Introduction to Women's Health	
PH 2540	Selected Topics in Women's Health	
History:		
HIST 4260/5260	United States Women's History	
HIST 4690/5690	Modern European Women's History	
Humanities:		
HUM 3160/5160	Black Women in America: Challenge, Spirit, Survival	
Philosophy:		
CAP 3151	Money, Sex and Power: Theories of Race, Class and Gender	
Psychology:		
PSYCH 2201	Psychology of Gender *	
PSYCH 4608/ ANTH 3104/5104	Gender in Cross-Cultural Perspective *	
World Religions:		
RELS 1020	Religions of the World (Family Life emphasis only) **	
RELS 3150	Women and Christianity	
Social Sciences:		
SOC SCI 1020	Women, Men, and Society	
Sociology:		
SOC 2040	Social Movements *	
SOC 3045/5045	Social Inequality *	
SOC 3050/5050	Men and Masculinities	
SOC 4051/5051	Sociology of Gender	
SOC 4071/5071	Feminist Theories in the Social Sciences *	
Women's and Gender Studies:		
WGS 2040	Introduction to LGBTQ Studies	
WGS 3195/5195	Internship in Women's and Gender Studies *	
Total Hours		**18**

Notes:

No more than 9 hours from courses with the same prefix.

A minimum of 9 hours from the 3000-level or above.

No more than one of the following may be counted for WGS credit: COMM 4446/5446 or SOC 2040

* These courses have additional prerequisites.
** Students must submit a student request form to receive WGS minor credit for this course.

Master of Arts Degree

Major in Women's and Gender Studies

The Master of Arts in Women's and Gender Studies is interdisciplinary in nature and is under the jurisdiction of the College of Social and Behavioral Sciences.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Director of Women's and Gender Studies for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

The Women’s and Gender Studies curriculum is designed to meet the needs of students who strive for analytic clarity and rigor in gender-focused research. Students may employ the skills in reflective and critical analysis as well as the broad base of knowledge that they obtain in the program to

1. prepare for a Ph.D. program with a disciplinary or interdisciplinary focus on gender or,
2. prepare for a career in the public or private sector in the areas of gender and wellness, gender and violence prevention, or another area based on student interest or,
3. satisfy strong intellectual interests and curiosity while pursuing advanced education in the liberal arts.

Through core courses and selected electives, students enrolled in the Master of Arts in Women's and Gender Studies will accomplish several objectives: examine theories concerning the social and historical constructions of gender; explore how gender identity and sexual orientation help define human relationships; recognize that women's lives have been under-represented in traditional disciplines and investigate previously neglected materials in order to identify women's as well as men's roles in cultural or social endeavors; study, compare, and evaluate an array of disciplinary perspectives on gender, including, but not limited to, cross-cultural, economic, sociological, historical, and literary perspectives; identify intersections of gender with race, class, age, sexual identity, and ethnicity, both locally and globally, both in the present and in the past; and employ new methodological and critical approaches to materials customarily treated in other ways, revising the content and assumptions of particular disciplines to address gender and related issues more effectively.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The M.A. in Women's and Gender Studies has 2 tracks: thesis and applied (non-thesis). The thesis track requires a **minimum of 31 semester hours** of study; **15 hours of 6000-level course work is required,** which includes 6 hours of WGS 6299 Research in Women's and Gender Studies.

The non-thesis applied track requires a **minimum of 32 hours; 12 hours of 6000-level course work is required,** which includes 4 credit hours of WGS 6195 Graduate Internship in Women's and Gender Studies. The internship requirement is a culminating 120-hour internship project and research paper, which is supervised by two WGS faculty members and an internship site supervisor. The project may take a wide variety of forms, but it should meet the following 3 requirements; 1) shows evidence of theoretically informed and self-reflexive praxis; 2) shows evidence of knowledge and research skills appropriate to the project; and 3) is related to the student's focus area.

Additional non-program hours may be required if courses on a student’s program of study have prerequisites which instructors choose not to waive.

Successful completion of an Social Justice Activism Portfolio is required for both tracks. Activism consists of intentional efforts to bring about some kind of change, be it social, political, economic, environmental, and so on. To enable students to assess links between academic inquiry and civic engagement, they will take advantage of opportunities to engage in social activism, both on and off campus. This will include participating in and/or organizing events and maintaining and electronic portfolio during the course of time in the program.

Common core (13 hours – required for all students):

Required (4 Hours)		**4**
WGS 6289	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories	
WGS 6291	Graduate Proseminar in Women's and Gender Studies	
Feminist Theories in the Social Sciences and Humanities (3 hours)		**3**
Select one of the following:		
ENGLISH 6120	Feminist Literary Theories and Practice	
SOC 4071/5071	Feminist Theories in the Social Sciences	
COMM 4346/5346	Gender Issues in Communication	
History (3 Hours)		**3**
HIST 4260/5260	United States Women's History	
or HIST 4690/5690	Modern European Women's History	
Research Methodology (3 Hours)		**3**
In consultation with and approval of thesis advisor, one course from the following or other course approved by the thesis advisor or program director:		
COMMGRAD 6022	Communication Research Methodology	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4140/5140	Literary Criticism	
ENGLISH 6100	Methods of Graduate Study in English	
HIST 6050	Historical Methods	
PSYCH 6002	Research Design	
SOC/ANTH 4015	Qualitative Research	
KAHHS 6210	Quantitative Methods in KAHHS	
KAHHS 6215	Qualitative Methods	
RTNL 6410	Evaluation, Research and Accountability	
Total Hours		**13**

Thesis Track

Common Core	13
WGS 6299 Research Women's and Gender Studies	6
Electives related to Thesis Topic [1]	12
Total Hours	**31**

[1] With the approval of the thesis advisor, the student individually designs an elective sequence, selecting courses from the humanities, fine arts, social and natural sciences that best contribute to the student’s thesis project.

Applied Track

Common Core		13
WGS 6195	Graduate Internship in Women's and Gender Studies	4
RTNL 6406	Fundraising and Grant Seeking for Nonprofit Agencies	3

Electives in Focus Area	12
Total Hours	**32**

Focus Areas:

1) Gender and Wellness		
Required (choose one course from the following):		3
PH 3330/5330	Minority Health	
or PH 3310/5310	Cultural Competency for the Helping Professions	
Electives (choose 9 hours from the following):		9
PH 3320/5320	Global Service Mission	
PH 3660/5660	Public Health Theory	
PH 3140/5140	Planning and Evaluating Public Health Programs	
PH 3150/5150	Implementation and Advocacy in Public Health Programs	
2) Gender and Violence Prevention		
Choose 12 hours from the following:		12
FAM SERV 3145/514	Violence in Intimate Relationships	
COMM 4346/5346	Gender Issues in Communication	
SOC 3050/5050	Men and Masculinities	
CRIM 4331/5331	Women, Crime and Society	
WGS 6297 Practicum Women and Gender Studies		
3) Individualized (tailored to student interests, with permission of advisor)		**12**

A Graduate Certificate in Women’s and Gender Studies is also available. For requirements go to www.uni.edu/interdisciplinarymajorsandminors/programcertificates or in PDF copy go to the "Interdisciplinary" section.

For more information contact the Women's and Gender Studies office, Sabin 225, wgs@uni.edu, or www.uni.edu/womenstudies.

Program Certificate

Graduate Certificate in Women’s and Gender Studies

The Graduate Certificate in Women’s and Gender Studies is under the jurisdiction of the College of Social and Behavioral Sciences.

The Graduate Certificate in Women’s and Gender Studies (WGS) provides students the opportunity to be exposed to the rapidly expanding interdisciplinary scholarship on women’s and gender studies. This program is designed for students currently enrolled in a graduate program at UNI and are seeking a graduate certificate in WGS. The WGS graduate certificate requires 12 credit hours, which must be successfully completed during a five year period to earn the certificate. At least nine hours have to be completed at UNI and at least six of the 12 hours have to be at the 6000-level. Courses fulfilling the certificate program may be used to meet the requirements in a degree program in accordance with the policies of the Graduate College.

Curriculum requirements consist of one core course and a minimum of nine credit hours of electives. Students must take at least six credit hours of elective course work outside the degree-granting program. Students may petition the Director of WGS to add a relevant course. For more information, contact the Women’s and Gender Studies office, Sabin 225, wgs@uni.edu, or csbs.uni.edu/womenstudies.

Required		
Select one of the following:		3
Languages and Literatures:		
ENGLISH 6120	Feminist Literary Theories and Practice	
Humanities:		
WGS 6289	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories	
Sociology:		
SOC 4071/5071	Feminist Theories in the Social Sciences	
Electives		**9**
Must choose one course from the Social Sciences Category A, one course from the Humanities Category B, and one course from either A, B, or the Experimental Category C.		
Category A: Social Sciences		
Educational Psychology:		
EDPSYCH 4188/5188	Current Approaches to Multicultural Education	
Design, Textiles, Gerontology, & Family Studies:		
FAM SERV 3145/5145	Violence in Intimate Relationships	
Political Science:		
POL AMER 4142/5142	Problems in Juvenile and Family Law	
History:		
HIST 4260/5260	United States Women's History	
HIST 4690/5690	Modern European Women's History	
Sociology/Criminology:		
SOC 3045/5045	Social Inequality	
SOC 4071/5071	Feminist Theories in the Social Sciences	
CRIM 4331/5331	Women, Crime and Society	
Category B: Humanities		
Communication and Media:		
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
COMM 4346/5346	Gender Issues in Communication	
Languages and Literatures:		
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 6120	Feminist Literary Theories and Practice	
Humanities:		
HUM 3160/5160	Black Women in America: Challenge, Spirit, Survival	

WGS 6289	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories	
Category C: Experimental		
Social Science:		
WGS 3195/5195	Internship in Women's and Gender Studies	
Practicum that has a gender focus and is advised by a WGS faculty member.		
Total Hours		**12**

Undergraduate Studies

The following multidisciplinary certificates are available to any UNI student, and can be used to satisfy the Connect requirement of the UNIFI/General Education program. See the Undergraduate Information and Degree Requirements section of this catalog for more information on the UNIFI/General Education program.

Program Certificates

- Career Success in Organizations (p. 284)
- Creative Expression and Meaning (p. 284)
- Critical Thinking and Information Literacy (p. 284)
- Data Science (p. 285)
- Developmental Considerations (p. 285)
- Diversity, Equity, and Inclusion Certificate (p. 285)
- East Asia (p. 286)
- Innovation in Leadership (p. 286)
- Sustainability (p. 286)
- THRIVE! (p. 286)
- United States Studies (p. 287)

Career Success in Organizations Certificate

No matter their major, all UNI students will work within some form of an organization during their careers. Whether a for-purpose, for-profit, or governmental entity, knowledge of factors that influence how organizations operate helps employees more effectively contribute to the mission of the organization. The purpose of this certificate is to provide a broad understanding of organizations including factors that influence decision making, levels of responsibility, data and written/unwritten rules that govern operations, and professional expectations for communicating and interacting within the organization.

Decision-making in Organizations		
Complete one of the following:		3
ECON 1031	Introduction to Business Economics	
ECON 1041	Principles of Macroeconomics	
POL AMER 1048	Current and Emerging Issues in Public Administration	
POL AMER 3153	Leadership and Management in Public Service	
PSYCH 3304	Work Psychology: Well-Being	
PSYCH 3305	Work Psychology: Performance	
Responsibility in Organizations		
Complete one of the following:		3
ECON 1001	Economics of Social Issues	
FIN 1040	Financial Skills for Smart Living	
ENTR 1010	Overview of Entrepreneurship	
POL AMER 3172	Public Budgeting	
Numbers in Organizations		
Complete one of the following:		3
MGMT 2080	Introduction to Information Systems	
CS 1025	Modern Tools for Exploring Data	
ACCT 2120	Principles of Financial Accounting	
Communication in Organizations		
Complete one of the following:		3
ENGLISH 2770	Introduction to Workplace Writing	
MGMT 2113	Business Communication	
Total Hours		**12**

Creative Expression and Meaning Certificate

Required:		
MUSIC 1100	Soundscapes: Music in Culture	3
Complete one of the following:		3
ARTHIST 1004	Visual Perceptions	
or ART 1002	Visual Inventions	
Complete one of the following:		3
ENGLISH 1120	Literature: (topic)	
or ENGLISH 2700	Elements of Creative Writing	
Complete one of the following:		3
THEATRE 1000	Theatre in Our World	
or THEATRE 1005	Acting for Non-Majors	
Total Hours		**12**

Critical Thinking and Information Literacy Certificate

Complete one of the following:		3
PSYCH 3310	Psychology of Science and Pseudoscience	
PHIL 3360	Intellectual Vices and Virtues: Theory and Practice	
Complete one of the following:		3
MATH 1160	Calling Hogwash: Mathematics for Critical Thinking	
PHIL 1030	Elementary Logic	
Complete one of the following:		3
LIBRARY 2100	Question Everything: Navigating Information Overload	

POL GEN 1060	B.S. Detection	
Total Hours		**9**

Data Science Certificate

This certificate provide students with the necessary skills to be able to appropriately identify data, analyze and visualize data, and communicate conclusions in quantitative and qualitative domains.

Applied Tools		
Complete one of the following:		3
STAT 1780	Introduction to Data Science	
CS 1170	Introductory Programming for Data Science	
Social Issues		
Complete one of the following:		3
PHIL 1560	Science, Technology, and Ethics (STE)	
MATH 1000	Exploring Social Justice Issues through Mathematics	
Information Literacy		
Complete one of the following:		3
POL GEN 1060	B.S. Detection	
LIBRARY 2100	Question Everything: Navigating Information Overload	
Statistics		
Complete one of the following:		3
STAT 1772	Introduction to Statistical Methods	
SOC SCI 2020	Social Sciences Statistics	
Total Hours		**12**

Developmental Considerations Certificate

Required:

Foundations		
Complete one of the following:		3
CSD 3100	Language Acquisition in Children: Birth to 5 Years	
EDPSYCH 2030	Dynamics of Human Development	
FAM SERV 1055	Human Growth and Development	
PSYCH 2202	Developmental Psychology	
Movement and Physical Growth		
Complete one of the following:		3
KINES 2056	Motor Learning and Development	
or KINES 2062	Developmental Trends in Physical Activity & Sport	
Systems and Health		
Complete one of the following:		3
PH 2520	Maternal and Infant Health	
or SW 3175	Child Welfare Policy and Practice	
Total Hours		**9**

Diversity, Equity, and Inclusion Certificate

The purpose of this certificate is for students to explore topics related to diversity, equity, and inclusion (DEI) from a variety of different content areas. Students will get an opportunity to critique complex social issues from a variety of lenses; including mathematics/science, gender, religion, history, communication, and/or politics. Students will develop a deeper understanding of a variety of perspectives related to DEI, including critically analyzing social justice issues; debating and understanding the values and ethics related to diverse groups, perspectives, and/or societies; learning about and discussing their own and/or others' identities; and delve into more global sociocultural issues related to different aspects of culture.

Critical Perspectives on Diversity, Equity, and Inclusion		
Complete one of the following:		3
EARTHSCI 3336	Natural Resources and Civilizations	
MATH 1000	Exploring Social Justice Issues through Mathematics	
POL INTL 1024	International Relations	
POL AMER 1014	Power & Politics in the U.S.	
RELS 1020	Religions of the World	
RELS 1060	American Religious Diversity	
WGS 1040	Women's and Gender Studies: Introduction	
Ethical Perspectives on Diversity, Equity, and Inclusion		
Complete one of the following:		3
ECON 1001	Economics of Social Issues	
PHIL 1040	Justice and the Good Life: Philosophical Perspectives	
COMM 3236	Ethics in Communication	
HIST 3110	Conflict and Justice in History: (Topic)	
Perspectives on Identity		
Complete one of the following:		3
PH 2520	Maternal and Infant Health	
COMM 3455	Storytelling and Identity	
WGS 2040	Introduction to LGBTQ Studies	
ENGLISH 2520	Multicultural Literature	
WGS 2050	Masculine Cultures	
Sociocultural Perspectives on Diversity, Equity, and Inclusion		
Complete one of the following:		3
ANTH 1002	Introduction to Cultural Anthropology	
GEOG 1120	Peoples, Cultures, and Environments	
HIST 1110	United States History to the Civil War and Emancipation	
HIST 1120	United States History since the Civil War and Emancipation	
HIST 3210	Problems & Perspectives in Global History: (Topic)	

SW 1041	Global Social Work	
Total Hours		**12**

East Asia Certificate

Emphasizing primarily China and Japan but with some coverage of Korea and Vietnam, the East Asia Certificate introduces material to students from the perspective of four very different academic disciplines, with an emphasis on both East Asian diversity and cultural commonalities

Complete one of the following:		3
CHIN 1050	Introduction to Chinese Literature	
HIST 3210	Problems & Perspectives in Global History: (Topic) (Identity, Diversity, and Commonality in East Asia)	
Complete one of the following:		3
HIST 3210	Problems & Perspectives in Global History: (Topic) (Becoming Familiar with East Asia - Japan as Example and Exception)	
HIST 3210	Problems & Perspectives in Global History: (Topic) (One Thousand Years of Samurai)	
Complete one of the following:		3
CHIN 1060	Introduction to Chinese Culture: (Topic)	
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	
Total Hours		**9**

Innovation in Leadership Certificate

The Innovation in Leadership Certificate focuses on the intersection of business, nonprofit, and government to recognize the strengths and weaknesses of each, leading to creating shared value partnerships to develop innovative responses to solving complex system problems.

Entrepreneurial Fundamentals		
Required:		3
ENTR 2010	Financials for the Entrepreneurial Enterprise	
Foundations of the Nonprofit Sector		
Required:		3
RTNL 2130	Foundations of the Nonprofit Sector	
Current and Emerging Issues in Public Administration		
Complete one of the following:		3
POL AMER 1048	Current and Emerging Issues in Public Administration	
POL AMER 3153	Leadership and Management in Public Service	
Nonprofit Leadership		
Required:		2
RTNL 2210	Nonprofit Leadership Practicum, Level I	
Total Hours		**11**

Sustainability Certificate

Required:		
TECH 1015	Introduction to Sustainability	3
Complete one of the following:		3-4
BIOL 1012 & BIOL 1013	Life: The Natural World and Life: The Natural World - Lab	
BIOL 1014 & BIOL 1015	Life: Continuity and Change and Life: Continuity and Change - Lab	
EARTHSCI 1400	Introduction to Environmental Earth Science	
GEOG 2250	Nature-Society Relations	
PHYSICS 1000	Physics in Everyday Life	
Complete one of the following:		3
EARTHSCI 3336	Natural Resources and Civilizations	
ECON 1001	Economics of Social Issues	
HIST 3110	Conflict and Justice in History: (Topic)	
PHIL 1560	Science, Technology, and Ethics (STE)	
Total Hours		**9-10**

THRIVE! Certificate

Required:		
Physical Domain		
Complete one of the following:		3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	
or PH 1101	Introduction to Public Health	
Social Domain		
Complete one of the following:		3
ECON 1001	Economics of Social Issues	
or FAM SERV 1010	Human Identity and Relationships	
Mental Domain		
Complete one of the following:		3
PSYCH 2403	The Science and Experience of Human Flourishing	
or SW 3143	Self-Care and Stress Management in Helping Professions	
Financial Domain		
Complete one of the following:		3
ENTR 2010	Financials for the Entrepreneurial Enterprise	
or FIN 1040	Financial Skills for Smart Living	
Total Hours		**12**

United States Studies Certificate

Students taking the United States Studies Certificate will analyze the diverse experiences and values of the people of the United States and investigate solutions to over-arching problems such as climate change and social inequities.

Complete one of the following:		3
RELS 1060	American Religious Diversity	
POL AMER 1014	Power & Politics in the U.S.	
Complete one of the following:		3
ENGLISH 2420	Survey of American Literature	
HIST 1110	United States History to the Civil War and Emancipation	
HIST 1120	United States History since the Civil War and Emancipation	
Complete one of the following:		3
ENGLISH 2520	Multicultural Literature	
MIL SCI 3190	America's Military Past	
Total Hours		**9**

Iowa Lakeside Laboratory

(Interinstitutional Program)

www.iowalakesidelab.org

Iowa Lakeside Laboratory is a field station located in the Iowa Great Lakes region of northwest Iowa. It is run cooperatively by the three Regents' Universities. Each summer Iowa Lakeside Laboratory offers a variety of hands-on courses in many disciplines (archaeology, biology, ecology, environmental science, hydrology, soils, taxonomy, writing). Both undergraduate and graduate courses are offered. For information about courses being offered this summer and registration/housing forms, see the Iowa Lakeside Laboratory Web site www.iowalakesidelab.org or contact the Iowa Lakeside Laboratory (1838 Hwy 86, Milford, IA 51351, Office (712) 337-3669, lakesidelab@uiowa.edu). Early registration is advisable because enrollment in Lakeside courses is limited.

Kinesiology & Athletic Training

(College of Social and Behavioral Sciences)

The Department of Kinesiology & Athletic Training offers the following programs:

Undergraduate Majors (B.A.)

- Athletic Training and Rehabilitation Studies (p. 287)
- Kinesiology and Exercise Science (p. 288)
- Physical Education-Teaching (p. 289)

Minors

- Athletic Training and Rehabilitation Studies (p. 289)
- Coaching (p. 290)
- School Health Education-Teaching (p. 290)
- Sport Administration (p. 291)
- Strength and Conditioning (p. 291)

Graduate Majors (M.A.)

- Kinesiology and Sport Performance (p. 292)
- Physical Education: Pedagogy (p. 292)

Graduate Major (M.ATR.)

- Master of Athletic Training (p. 294)

Program Certificates

- Adapted Physical Education (p. 295)
- Corporate Fitness (p. 295)
- Exercise Science for Health Professionals (p. 295)

Bachelor of Arts Degree Programs

Athletic Training and Rehabilitation Studies Major

The Athletic Training & Rehabilitation Studies major requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Athletic Training & Rehabilitation Studies major is designed to prepare students to become healthcare professionals. The curriculum prepares students for entry into professional healthcare programs. The curriculum is based upon cognitive and psychomotor learning experiences.

All students should first indicate their interest in majoring in the Athletic Training & Rehabilitation Studies major any time after their general admission to UNI is complete by submitting the "Declaration of Curriculum" form, and indicating Athletic Training & Rehabilitation Studies major. Then, students should contact the Department of Kinesiology & Athletic Training Academic Advisor.

All program information is available at the athletic training program office (003 HPC) or our website www.uni.edu/athletic-training.

Required Core:		
Athletic Training:		
AT 1010	Introduction to Athletic Training & Clinical Healthcare	3
AT 2000	Clinical Healthcare Experience	1
AT 3020	Clinical & Gross Human Anatomy	3
AT 3030	Acute Care	3
AT 3040	Foundations of Orthopedic Injury Assessment & Pathology I	3
AT 3050	Foundations of Orthopedic Injury Assessment & Pathology II	3
AT 4070	Foundations of Therapeutic Interventions & Rehabilitation	3
AT 4130	General Medical Conditions	3

AT 4160	Evidence Based Practice in Health Care	3
Biology:		
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3101	Anatomy and Physiology I *	4
BIOL 3102	Anatomy and Physiology II	4
Chemistry and Biochemistry:		
CHEM 1110	General Chemistry I	4
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Physics:		
PHYSICS 1511	General Physics I	4
Electives:		
Select a minimum of 3 hours of the following:		3
Athletic Training & Rehabilitation Studies:		
AT 1018	Prevention and Care of Athletic Injuries	
AT 1019	Prevention and Care Laboratory	
AT 2000	Clinical Healthcare Experience (up to one credit can be applied as a major elective, after core requirement is fulfilled)	
AT 3300	Gross Human Anatomy	
Public Health:		
PH 1101	Introduction to Public Health	
PH 2130	Epidemiology of Human Diseases	
PH 2160	Medical Terminology, Short Course	
PH 2420	Nutrition for Health Promotion **	
PH 3310/5310	Cultural Competency for the Helping Professions	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
Kinesiology:		
KINES 3151	Biomechanics ***	
KINES 3153	Physiology of Exercise	
KINES 3157	Sports Nutrition	
Total Hours		**51**

* BIOL 3101 Anatomy and Physiology I prerequisites are not required for Athletic Training & Rehabilitation Studies majors.

** PH 2420 has a prerequisite of PH 1410.

*** KINES 3151 has a prerequisite of KINES 2050 or equivalent.

Kinesiology and Exercise Science Major

The Kinesiology and Exercise Science major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Completion of this program prepares students for careers or further study in Kinesiology and exercise science* or related areas but not for endorsement in K-12 school settings.[1] To continue in the program and take 3000-level courses and above a student must have a C- or better in KINES 2050 Anatomy and Physiology of Human Movement. The student must maintain a cumulative 2.50 GPA in the major to graduate.[2]

Required core:		
Athletic Training:		
AT 1018	Prevention and Care of Athletic Injuries	2
Physical Education Movement and Exercise Science:		
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
KINES 2056	Motor Learning and Development	3
KINES 3121	Sociology and Psychology of Physical Activity	3
KINES 3151	Biomechanics	3
KINES 3153	Physiology of Exercise	3
KINES 3154	Psychological Skills for Sport Participants	3
KINES 3155/5155	Exercise Physiology: Applications for Health and Human Performance	3
KINES 3156	Fitness Assessment and Programming	3
KINES 3157	Sports Nutrition	3
KINES 3163	Career and Professional Development	3
Select 3 hours from the following:		3
KINES 3192	Internship in Kinesiology	
KINES 3193	Research Experiences	
Select two of the following courses:		6
KINES 3186 ("Studies in", 3 hrs.)		
KINES 2025	Conditioning Theory and Practice	
KINES 2062	Developmental Trends in Physical Activity & Sport	
KINES 3122	Psycho-Social Aspects of Competitive Sport	
KINES 3125	Introduction to Sport Administration	
KINES 3160	Exercise for Clinical Populations	
KINES 4152	Adapted Physical Education	
Total Hours		**44**

* This major prepares students with a broad background in exercise science in the areas of individual and group exercise and fitness programs, strength and power

development, coaching, youth sport, and sport psychology. This major also prepares students for graduate study in exercise science or sport psychology.

1 Completion of this program prepares students for careers or further study in movement and exercise science or related areas but not for endorsement in K-12 school settings.

2 To continue in the program and take 3000-level courses and above, a student must have a C- or better in KINES 2050 Anatomy and Physiology of Human Movement. A cumulative plan (major) GPA of 2.50 is required to do the culminating internship and to graduate.

Physical Education-Teaching Major

The Physical Education-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Completion of this program qualifies the student to be recommended for endorsements for Physical Education K-8 and Physical Education 5-12.

Current certifications in First Aid & Community CPR are required for assignment to student teach.

Disciplinary Knowledge core:		
Physical Education:		
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
KINES 2056	Motor Learning and Development	3
KINES 3151	Biomechanics	3
KINES 3153	Physiology of Exercise	3
Pedagogical content:		
Physical Education:		
KINES 2030	Teaching Physical Education For Learning	3
KINES 2031	Teaching Physical Education with Technology	3
KINES 3174	Assessment Processes in Physical Education	3
KINES 3176	Administration and Curriculum Development in Physical Education	3
KINES 4152	Adapted Physical Education	3
KINES 4172	Elementary Physical Education Teaching Methods	3
KINES 4173	Secondary Physical Education Teaching Methods	3
Skill and Activity content:		
Physical Education:		
KINES 2015	Teaching Team/Individual Sports	3
KINES 2016	Teaching Lifetime Activities	3
KINES 2019	First Aid and CPR for Physical Educators	1
KINES 2021	Teaching Movement and Rhythmic Activities for Children	3
Total Hours		**46**

* Students with a major in Physical Education-Teaching will substitute KINES 2031 Teaching Physical Education with Technology for LRNTECH 1031 Educational Technology and Design; KINES 4152 Adapted Physical Education for SPED 3150 Meeting the Needs of Diverse Learners in Classrooms; and KINES 3174 Assessment Processes in Physical Education for MEASRES 3150 Classroom Assessment in the Professional Education Requirements.

Minors

Athletic Training and Rehabilitation Studies Minor

The Athletic Training and Rehabilitation Studies minor is intended to complement existing majors by offering students a blend of foundational health care concepts and hands-on learning. The minor is designed for students considering a career in clinical health care or for those who would simply like to broaden their educational experience with a background in clinical healthcare.

The Athletic Training and Rehabilitation Studies minor requires a minimum of 15 hours to complete. This total includes 12 credits of required courses and three credits of electives offered within the Athletic Training and Rehabilitation Studies major. While pursuing this minor, students will have the opportunity to participate in clinical experiences while observing and learning alongside practicing health care professionals such as athletic trainers, physical therapists, and other practitioners.

Students can declare this minor at any time throughout their academic progression once they are admitted to UNI. Although students should typically allow four semesters to complete the 15 credits, this can vary depending on course offerings and availability.

The first step is to submit the "Declaration of Curriculum" form, and indicating Athletic Training and Rehabilitation Studies minor. Then, students should contact a Department of Kinesiology & Athletic Training Academic Advisor.

Choose four of the following:		12
AT 1010	Introduction to Athletic Training & Clinical Healthcare	
AT 3020	Clinical & Gross Human Anatomy	
AT 3030	Acute Care	
AT 3040	Foundations of Orthopedic Injury Assessment & Pathology I	
AT 4070	Foundations of Therapeutic Interventions & Rehabilitation	
AT 4130	General Medical Conditions	
Elective (select a minimum of 3 hours of the following):		3

Athletic Training		
AT 1018	Prevention and Care of Athletic Injuries	
AT 1019	Prevention and Care Laboratory	
AT 3300	Gross Human Anatomy	
Public Health		
PH 1101	Introduction to Public Health	
PH 2130	Epidemiology of Human Diseases	
PH 2160	Medical Terminology, Short Course	
PH 2420	Nutrition for Health Promotion	
PH 3310/5310	Cultural Competency for the Helping Professions	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
Kinesiology		
KINES 3151	Biomechanics	
KINES 3153	Physiology of Exercise	
KINES 3157	Sports Nutrition	
Total Hours		**15**

Coaching Minor

Students who complete this program will qualify for the Department of Education coaching endorsement. The coaching endorsement is for grades K-12. However, this program does not qualify students to teach physical education at any level.

Students who complete this program and are not teaching majors will qualify for the Department of Education coaching authorization.

Required:		
Select one of the following:		3
EDPSYCH 2030	Dynamics of Human Development	
PSYCH 2202	Developmental Psychology *	
Athletic Training:		
AT 1018	Prevention and Care of Athletic Injuries	2
AT 1019	Prevention and Care Laboratory	1
Physical Education:		
KINES 2025	Conditioning Theory and Practice	3
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 3118	Practicum in Coaching	1
KINES 3122	Psycho-Social Aspects of Competitive Sport	3
KINES 4217	Organization and Administration of Competitive Sports	3
Select one of the following electives:		3
KINES 3101	Coaching Theory and Skill Technique - Baseball/Softball	
KINES 3102	Coaching Theory and Skill Technique - Basketball	
KINES 3104	Coaching Theory and Skill Technique - Football	
KINES 3107	Coaching Theory and Skill Technique -- Soccer	
KINES 3111	Coaching Theory and Skill Technique - Track and Field	
KINES 3112	Coaching Theory and Skill Technique - Volleyball	
KINES 3113	Coaching Theory and Skill Technique - Individual Sports	
Total Hours		**22**

Note: Students in teaching majors will complete EDPSYCH 2030 within the Professional Education Requirements. KINES 3118 Practicum in Coaching must be completed prior to student teaching.

* PSYCH 2202 has prerequisite PSYCH 1001.

School Health Education-Teaching

Current First Aid and CPR certification is required of all minors prior to student teaching.

With the appropriate choice of courses, the School Health Education Minor-Teaching leads to the following endorsements:

5-12 Health Endorsement #138

Methods course:		
PH 3245	Secondary School Health Education Methods and Curriculum	3
Applied Human Sciences, School of:		
FAM SERV 1057	Human Relationships and Sexuality	3
Public Health:		
CAP/PH 3160	Community and Public Health	3
or PH 1101	Introduction to Public Health	
PH 2620	Stress and Coping	3
or EDPSYCH 4118/5118	Mental Health and Well-Being in the Classroom	
PH 3230	Drug Prevention Education for School Health Educators	2-3
or PSYCH 3102/5102	Drugs and Individual Behavior	
or SW 4171/5171	Addictions Treatment	
Kinesiology:		
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
or PH 1410	Basic Nutrition	
KAHHS 1020	Dimensions of Wellbeing Lecture	1-2
or KAHHS 1030	Dimensions of Wellbeing Lab	
or PH 3670	Health Care and the Consumer	

Electives: remaining hours of health-related electives for the 5-12 endorsement		5-7
Approved eletives:		
EDPSYCH 2030	Dynamics of Human Development	
KINES 2019	First Aid and CPR for Physical Educators	
KINES 2050	Anatomy and Physiology of Human Movement	
KINES 3151	Biomechanics	
KINES 3153	Physiology of Exercise	
KINES 4152	Adapted Physical Education	
Other electives approved by the Public Health program.		
Total Hours		25

K-8 Health Endorsement #137

Methods course:		
KAHHS 2045	Health and Physical Education for Elementary Teachers	3
Applied Human Sciences, School of:		
FAM SERV 1020	Family Relationships	3
Public Health:		
CAP/PH 3160	Community and Public Health	3
or PH 1101	Introduction to Public Health	
PH 2620	Stress and Coping	3
or EDPSYCH 4118/5118	Mental Health and Well-Being in the Classroom	
PH 3230	Drug Prevention Education for School Health Educators	2-3
or PSYCH 3102/5102	Drugs and Individual Behavior	
or SW 4171/5171	Addictions Treatment	
Kinesiology:		
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
or PH 1410	Basic Nutrition	
KAHHS 1020	Dimensions of Wellbeing Lecture	1-2
or KAHHS 1030	Dimensions of Wellbeing Lab	
or PH 3670	Health Care and the Consumer	
Electives: Remaining hours of health-related electives for the K-8 endorsement		6-8
Approved electives:		
EDPSYCH 2030	Dynamics of Human Development	
KINES 2019	First Aid and CPR for Physical Educators	
KINES 2050	Anatomy and Physiology of Human Movement	
KINES 3151	Biomechanics	
KINES 3153	Physiology of Exercise	
KINES 4152	Adapted Physical Education	
Other electives approved by the Public Health program.		
Total hours		26

Sport Administration Minor

The minor in Sport Administration provides undergraduate students with a broad-based knowledge of the sport industry by offering interdisciplinary courses, thereby serving as valuable supplementary education that complements other majors. The academic preparation and practical training offered by this minor prepares students for a wide variety of sport-related careers.

Students must have a GPA of 2.5 to complete the minor.

Required:		
Economics		
ECON 1031	Introduction to Business Economics	3
Kinesiology		
KINES 3125	Introduction to Sport Administration	3
KINES 3126	Sport Marketing	3
KINES 3127	Practicum in Sport Administration	1
Select one of the following two courses:		
KINES 3121	Sociology and Psychology of Physical Activity	3
or KINES 3122	Psycho-Social Aspects of Competitive Sport	
Electives:		6
Communication and Media		
COMM PR 4858/5858	Sports Public Relations	
Marketing		
MKTG 2110	Principles of Marketing	
Leisure, Youth and Human Services		
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership	
RTNL 3777/5777	Special Events Management	
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
Kinesiology		
KINES 3186 Studies in Physical Education. Only the following are accepted: (1) Sport Event & Facility Management; (2) Communication and Leadership Skills for Coaches.		
KINES 4217	Organization and Administration of Competitive Sports	
Total Hours		**19**

Strength and Conditioning Minor

The minor in Strength and Conditioning provides undergraduate students with an interdisciplinary knowledge about planning and designing training programs for a variety of athletes (e.g., high school

athletes, professional athletes) and purposes (e.g., weight training, speed). This minor will also help prepare students for National Certification exams in Strength and Conditioning.

Students must have a GPA of 2.5 to complete the minor.

Required:

KINES 2019	First Aid and CPR for Physical Educators	1
KINES 2025	Conditioning Theory and Practice	3
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
KINES 3153	Physiology of Exercise	3
KINES 3201	Scientific Principles of Strength and Conditioning	3
KINES 3202	Strength and Conditioning Programming and Technique	3
KINES 3140	Practicum in Strength and Conditioning	1
Total Hours		**20**

Master of Arts Degree Program

Major in Kinesiology and Sport Performance

This program is designed for those who wish to concentrate their study in the fields of coaching, sport performance, strength and conditioning, and corporate fitness.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the the Department of Kinesiology for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. A thesis/research paper defense is required. No comprehensive examination is required. Students selecting the thesis option will take 6 hours of research credits, and students selecting the non-thesis option will take 3 hours of research credits and 3 hours of practicum credits. This major requires a **minimum of 33 semester hours for the thesis and non-thesis options.**

Required:

Physical Education:		
KINES 6251	Advanced Biomechanics	3
KINES 6253	Advanced Exercise Physiology	3
KINES 6289	Seminar in Kinesiology (take two times on different topics for a minimum of 6 hours)	6
KINES 6255	Motor Control and Learning	3
KINES 6222	Sport Psychology	3
KINES 6272	Principles of Sport Administration	3
Kinesiology, Allied Health and Human Services, Interdepartmental:		
KAHHS 6210	Quantitative Methods in KAHHS (or equivalent)	3
KAHHS 6290	Research Methods for KAHHS	3
Research and Practicum:		6
Thesis option (Students selecting the thesis option will take 6 hours of research)		
KINES 6299	Research	
Non-thesis option (Students selecting the non-thesis option will take 3 hours of research AND 3 hours of practicum)		
KINES 6299	Research	
KINES 6297	Practicum	
Total hours		33

Major in Physical Education: Pedagogy

The primary focus of this program is the study of teaching (pedagogy). This program does not lead to a teaching license in Physical Education.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the the Department of Kinesiology for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

To be eligible for admission to the graduate program, the candidate must have an undergraduate degree in teaching physical education or be currently licensed to teach physical education. Undergraduate students in the last semester of a bachelor degree in physical education PK-12 teaching may be provisionally accepted. Candidates note meeting these requirements may petition for special consideration for admission.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **non-thesis** option only. No comprehensive examination is required.

Required:

Measurement and Research/Kinesiology, Allied Health and Human Services, Interdepartmental:		
KAHHS 6290	Research Methods for KAHHS	3
Choose one of the following:		3
MEASRES 6205	Educational Research	
KAHHS 6210	Quantitative Methods in KAHHS	
KAHHS 6215	Qualitative Methods	

Physical Education:		
KINES 6230	Curriculum Theory and Design in Physical Education	3
KINES 6231	Effective Teaching and Behavioral Management in Physical Education	3
KINES 6273	Contemporary and Inclusive Issues in Physical Education	3
KINES 6240	Advanced Adapted Physical Education	3
KINES 6241	Advanced Assessment in Physical Education	3
Non-Thesis Research:		3
KINES 6299	Research	
Electives from the following courses:		6
KINES 6222	Sport Psychology	
KINES 6251	Advanced Biomechanics	
KINES 6255	Motor Control and Learning	
KINES 6285	Readings in Kinesiology	
KINES 6289	Seminar in Kinesiology ((Maximum 12 hours on different topics))	
Total Hours		30

Master of Athletic Training Degree

Academic Standard Policy

Major Requirements

General Explanation: UNI offers a Professional Graduate Athletic Training major or a Master of Athletic Training (MATR), which is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students interested in pursuing this major must apply and be formally admitted to this program. Students should apply for the Master of Athletic Training program through the Graduate College and Admissions. Program admission is based on undergraduate GPA, completion of prerequisite courses, program application materials, and admission to the Graduate College. Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Athletic Training (within the Department of Kinesiology & Athletic Training) for program application materials or for any other application requirements. Graduate information and application for graduate study admission can be found at https://admissions.uni.edu/application. Applications will begin to be reviewed no later than October 1 of each year.

The Master of Athletic Training curriculum is offered as a 2-year standalone plan, as well as a 3+2 combined plan with the B.A. in Athletic Training & Rehabilitation Studies degree. The 3+2 program is highly demanding and has a strict curricular plan that must be followed in order for students to complete both an undergraduate and graduate degree in five years. Athletic training faculty advisors will work closely with students to ensure successful progression. Students will apply to the MATR program in the fall of year three. With admission to the MATR program, the courses that will be applied to the master's degree will begin in the summer following year three. Students will complete their master's degree after completion of the spring semester of year five. Although the entry points will differ between the 2-year standalone and 3+2 students, the curriculum will be the same and the students will complete the graduate program as a cohort, regardless of entrypoint. **Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.** Students must contact the athletic training program director for more information regarding which plan of study is best for them.

1. **Prerequisite courses required**: A Bachelor's degree must be earned prior to entry into the Master of Athletic Training. Additional prerequisite undergraduate courses (or equivalent) include: General Biology: Cell Structure & Function; General Chemistry I; Physics I; Statistics; Developmental Psychology, Abnormal Psychology OR Dynamics of Development; and Anatomy and Physiology Physiology I & II with a laboratory components. A grade of a C or better must be attained in all prerequisite courses. All pre-requisite courses must have been completed within last 10 years.
2. **Application requirements for all students**: To be admitted to the UNI Master of Athletic Training Program, students must complete the application process. The following list of items are required as part of the application process. ***Students are responsible for all costs associated with application process.***
   a. Achieved a bachelor's degree
   b. Completion of course prerequisites as listed above
   c. Application forms: UNI Admissions Office
   d. 50 hours of athletic training observation experience
   e. Technical standards form
   f. Criminal background check
   g. For international students whose native language is not English, official TOEFL scores are required unless a baccalaureate degree was completed at a university or college where the primary language of instruction is English.
   h. Undergraduate cumulative GPA of 3.0 or greater
   i. Personal statement
   j. Three letters of recommendation
3. **Application Process**:
   a. Obtain the application documents from the Admissions website
   b. Submit all materials to Graduate Admissions
   c. Students must be admitted prior to the beginning of the summer session in order to join that year's cohort
4. A committee of faculty, staff, and students will be assigned to the acceptance committee and will review the applications.
5. Upon acceptance into the Master of Athletic Training program, a student must do the following within 30 days of notification of acceptance:
   a. Send a letter of acceptance via email to the Athletic Training Graduate Program Director.
   b. Begin the Hepatitis B Vaccination series or sign the waiver form.
   c. Complete all other paper work available at the AT program office.

d. Maintain current CPR, OSHA, and First Aid certifications and child mandatory reporter training.
e. Become a student member of the NATA ($80/year)
f. Maintain professional liability insurance ($38/year)

6. To graduate from UNI with a Master of Athletic Training major, students must:
   a. Maintain a 3.00 cumulative GPA and 3.00 major GPA
   b. Complete a clinical experience each semester
   c. Complete the Master of Athletic Training academic major. This includes that a student be enrolled in the athletic training program for a minimum of four semesters.
7. All other program information is available at the athletic training program office (003 HPC) or our website www.uni.edu/athletic-training.

Athletic Training Major

The Master of Athletic Training major requires a minimum of 54 total hours to graduate.

The Master of Athletic Training major is designed to prepare students to become athletic training professionals. It prepares students for the Board of Certification Examination as well as eligibility for an Athletic Training State License Credential. The curriculum is based upon cognitive and psychomotor learning experiences. The athletic training program is accredited by the Commission on the Accreditation of Athletic Training Education (CAATE).

The Graduate Record Examination (General Test) is **not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This degree is offered on the **non-thesis** option. Acceptable non-thesis projects include critically appraised topics, interrelated series of research proposals, conducting an empirical study, or a problem-based analysis of the literature, each of which require an extensive writing component.

A **minimum of 54 semester credit hours** is required. The non-thesis option requires 3 hours of AT 6299. **A minimum of 21 semester hours at the 6000-level is required.**

A cumulative grade index of 3.00 (B average) must be earned in all courses required for the degree or applying to the degree. No more than six (6) semester hours of *C* credit (*C+*, *C*, *C-*) may be applied toward credit for graduation. When *C-* range grades on the advisement report exceed the six hour limit, one or more of such courses *must* be repeated. A course taken to satisfy degree requirements in which a student receives a *D+*, *D*, *D-* *F* or *NC* grade will not be considered satisfactory and *must* be repeated. **The original course grade will remain on the student record, and the grade of the second course attempt will be used in the computation of the GPA.**

Prerequisite Core:		26
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3101	Anatomy and Physiology I (or equivalent)	4
BIOL 3102	Anatomy and Physiology II (or equivalent)	4
CHEM 1110	General Chemistry I	4
PHYSICS 1511	General Physics I	4
STAT 1772	Introduction to Statistical Methods	3
PSYCH 1001	Introduction to Psychology	3
Athletic Training Courses:		
AT 6000	Integrated Clinical Experiences (minimum 11 hours, but may be repeated for a maximum of 13 hours over 4-6 semesters)	11-13
AT 4030/5030	Advanced Acute Care in Athletic Training	3
AT 4032/5032	Advanced Acute Care Clinical Skills	1
AT 6060	Athletic Training Organization & Professional Responsibility	3
AT 4270/5270	Advanced Therapeutic Interventions I	3
AT 4072/5072	Advanced Therapeutic Interventions I Clinical Skills	1
AT 6080	Advanced Therapeutic Interventions II	3
AT 6082	Advanced Therapeutic Interventions II Clinical Skills	1
AT 4100/5100	Advanced Clinical Anatomy	3
AT 6130	General Medical Assessment & Intervention	3
AT 4550/5550	Advanced Athletic Training Clinical Skills	2
AT 4210/5210	Pathoetiology and Orthopaedic Assessment I	3
AT 4215/5215	Pathoetiology and Orthopaedic Assessment I Clinical Skills	1
AT 6220	Pathoetiology and Orthopaedic Assessment II	3
AT 6225	Pathoetiology and Orthopaedic Assessment II Clinical Skills	1
AT 6255	Health Assessment & Preventive Practices	3
AT 6260	Gross Human Anatomy & Orthopedic Surgical Interventions	3
AT 6275	Mental Health Care in Athletic Training Practice	3
Research: 3 credit hours (Non-thesis)		
AT 6299 Research		3
Total hours		54-56

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual

has completed a program approved by the university. For information on the following program certificates, contact the Department of Kinesiology & Athletic Training or the Office of the Registrar, which serves as the centralized registry.

Certificate in Adapted Physical Education

The certificate in Adapted Physical Education will prepare teachers to work with children with disabilities in physical education environments as they complete their Master of Arts in Physical Education Pedagogy. This certificate will also help prepare for National Certification exams in Adapted Physical Education. Students must have a GPA of 3.0 to complete the certificate.

Required:		
KINES 6231	Effective Teaching and Behavioral Management in Physical Education	3
KINES 6240	Advanced Adapted Physical Education	3
KINES 6241	Advanced Assessment in Physical Education	3
KINES 6273	Contemporary and Inclusive Issues in Physical Education	3
Total Hours		**12**

Certificate in Corporate Fitness

Required:		
Physical Education:		
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 3153	Physiology of Exercise	3
KINES 3156	Fitness Assessment and Programming	3
Public Health:		
PH 3640/5640	Worksite Health Promotion	3
Electives (choose one from the following):		3
KINES 3157	Sports Nutrition *	
PH 1410	Basic Nutrition	
Total Hours		**15**

* KINES 3157 has a prerequisite of KINES 2053 and KINES 3153. Prerequisite for Athletic Training majors: AT 3020.

Certificate in Exercise Science for Health Professionals

This certificate in Exercise Science for Health Professionals provides undergraduate students with knowledge about planning and designing exercise programs for special populations such as older adults, children, obesity, diabetes, CVD, cancer, anxiety, depression, osteoporosis, multiple sclerosis, COPD, PAD, arthritis, and musculoskeletal injuries.

Required:		
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 3151	Biomechanics	3
KINES 3153	Physiology of Exercise	3
KINES 3160	Exercise for Clinical Populations	3
Total Hours		**12**

Department of Languages and Literatures

(College of Humanities, Arts and Sciences)

www.uni.edu/langlit

The Department of Languages and Literatures offers the following undergraduate and graduate programs and program certificate. Specific requirements for these programs are listed within this Department of Languages and Literatures section as follows:

Undergraduate Majors (B.A.)

- English (p. 296)
- English-Teaching (p. 297)
- Spanish (p. 298)
- Spanish-Teaching (p. 299)
- Teaching English to Speakers of Other Languages (TESOL) (p. 299)
- Teaching English to Speakers of Other Languages (TESOL)-Teaching (p. 300)
- TESOL/Modern Language-Teaching (p. 300)

Minors

- English (p. 302)
- English-Film Studies (p. 303)
- English-Teaching (p. 303)
- Interdisciplinary Language Studies: French (p. 303)
- Spanish (p. 304)
- Spanish-Teaching (p. 304)
- Spanish/English Translation (p. 304)
- Teaching English to Speakers of Other Languages (TESOL) (p. 305)
- Teaching English to Speakers of Other Languages (TESOL)-Teaching (p. 305)
- Writing (p. 305)

Graduate Majors (M.A.)

- English (p. 306)
- Teaching English in Secondary Schools (p. 309)
- Teaching English to Speakers of Other Languages (TESOL) (p. 309)
- TESOL/Modern Languages (p. 310)

Program Certificates

- Chinese Studies (p. 311)
- French Language Studies (p. 311)
- Hispanic Cultures (p. 312)
- International Business, Language and Culture (p. 312) (also listed under College of Business)
- International Commerce (p. 313)
- Linguistic Studies (p. 314)
- Literary Publishing (p. 314)
- Post-Colonial and Multicultural Literary Studies (p. 315)
- Spanish Language Studies (p. 315)
- Spanish for Special Purposes (p. 315)
- Teaching English to Speakers of Other Languages (p. 316)

Enrollment Management Policy

Spanish Retrocredit for Heritage Speakers of Spanish: A student who is a heritage speaker of Spanish, and who takes SPAN 3001 Advanced Writing or SPAN 3006 Spanish for Heritage Speakers, and receives a grade of B or higher in this course, will receive Credit for the following UNI classes: SPAN 1001 Elementary Spanish I (3 s.h.); SPAN 1002 Elementary Spanish II (3 s.h.); SPAN 2001 Intermediate Spanish (3 s.h.); SPAN 2002 Oral and Written Spanish (3 s.h.); SPAN 3003 Advanced Conversation and Reading (3 s.h.). Courses will appear on transcripts as *credit*; no grade will be assigned.

Bachelor of Arts Degree Programs

English Major

The English major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required:

Complete all of the following:		
English:		15
ENGLISH 2120	Critical Writing About Literature	
ENGLISH 2320	Survey of English Literature I: Beginnings to Early Modernity	
ENGLISH 2340	Survey of English Literature II: Romantics to Post-Colonialism	
ENGLISH 2420	Survey of American Literature	
ENGLISH 2520	Multicultural Literature	
Complete two of the following:		**6**
Writing and/or Linguistics:		
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 3715/5715	Craft of Poetry *	
ENGLISH 3725/5725	Craft of Fiction *	
ENGLISH 4025/5025	Theory and Practice of Writing	
ENGLISH 4040/5040	Digital Writing: Theory and Practice	
ENGLISH 4740/5740	Poetry Workshop *	
ENGLISH 4750/5750	Fiction Workshop *	
ENGLISH 4765/5765	Applied Writing: Workplace Communication *	
ENGLISH 4775/5775	Applied Writing: Specialized Documents *	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers *	
TESOL 4110/5110	The Structure of English	
TESOL 4120/5120	Introduction to Linguistics	
TESOL 4140/5140	History of the English Language *	
TESOL 4510/5510	Language Development	
TESOL 4520/5520	Cultural Aspects of Language and Language Teaching *	
TESOL 4540/5540	Sociolinguistics *	
Electives in English literature, complete at least one (1) course from each group (A, B, and C)		**18**
Within each group, other appropriate topics may be offered in sections of:		
ENGLISH 3159/4159/5159	Experimental course	
ENGLISH 3186/4186/5186	"Studies in"	
ENGLISH 4188/5188	Author Seminar: _____	
ENGLISH 4190/5190	Seminar in Literature: _____	
ENGLISH 4688/5688	Genre Seminar:_____	
Group A: Literature in English to 1800:		
ENGLISH 4310/5310	Old English Language, Literature, and Culture	
ENGLISH 4315/5315	Early Modern Drama	
ENGLISH 4320/5320	English Renaissance	
ENGLISH 4325/5325	18th-Century British Literature	
ENGLISH 4370/5370	Chaucer	
ENGLISH 4375/5375	Shakespeare	
ENGLISH 4380/5380	Milton	
ENGLISH 4410/5410	Early American Literature	
Group B: Literature in English since 1800:		
ENGLISH 4330/5330	British Romantic Writers	
ENGLISH 4335/5335	British Victorian Writers	
ENGLISH 4340/5340	British Novel to 1900	
ENGLISH 4345/5345	British Novel Since 1900	
ENGLISH 4420/5420	The American Renaissance	
ENGLISH 4425/5425	American Realism and Naturalism to WWI	
ENGLISH 4430/5430	American Poetry to 1914	
ENGLISH 4445/5445	American Novel Since 1900	
ENGLISH 4602/5602	Modern and Contemporary Poetry	
ENGLISH 4615/5615	Modern Drama	
Group C: Literary Theory, Film, Cross-Cultural:		
ENGLISH 3144	Genocide in Writing and Film	
ENGLISH 3148	The Holocaust in Literature and Film	

ENGLISH 4110/5110	Environmental Literature	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4140/5140	Literary Criticism	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4310/5310	Old English Language, Literature, and Culture	
ENGLISH 4540/5540	African American Literature	
ENGLISH 4560/5560	Asian American Literature	
ENGLISH 3577/ CAP 3187	Blues and Jazz in African American Film and Literature	
ENGLISH 4588/5588	World Literature Seminar: (Topic)	
ENGLISH 4632/5632	Literary Nonfiction	
ENGLISH 4652/5652	Film and Literature	
ENGLISH 4660/5660	Film History	
ENGLISH 4664/5664	Film Theory and Criticism	
ENGLISH 4672/5672	Electronic Literature	
Total Hours		**39**

* The following courses have additional prerequisites: ENGLISH 3715/5715 and ENGLISH 3725/5725 have a prerequisite of ENGLISH 2700 or consent of instructor. ENGLISH 4765/5765 and ENGLISH 4775/5775 have prerequisites of MGMT 2080 or ENGLISH 2770 or consent of instructor. ENGLISH 4740/5740 has prerequisite of ENGLISH 3715/5715 or consent of instructor. ENGLISH 4750/5750 has prerequisite of ENGLISH 3725/5725 or consent of instructor. ENGLISH 4785/5785 has a prerequisite or corequisite of ENGLISH 2770 or consent of instructor. TESOL 4140/5140 and TESOL 4520/5520 and TESOL 4540/5540 have a prerequisite of TESOL 4120/5120 or TESOL 4110/5110.

English Major-Teaching

The English-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major leads to endorsement #120: 5-12 English/Language Arts.

Required:

Complete all of the following:		
English:		15
ENGLISH 2120	Critical Writing About Literature	
ENGLISH 2320	Survey of English Literature I: Beginnings to Early Modernity	
ENGLISH 2340	Survey of English Literature II: Romantics to Post-Colonialism	
ENGLISH 2420	Survey of American Literature	
ENGLISH 2520	Multicultural Literature	
Complete one of the following: **		**3**
English:		
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 4025/5025	Theory and Practice of Writing	
ENGLISH 4040/5040	Digital Writing: Theory and Practice	
ENGLISH 4765/5765	Applied Writing: Workplace Communication **	
ENGLISH 4775/5775	Applied Writing: Specialized Documents **	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	
Complete one of the following:**		**3**
TESOL/Applied Linguistics:		
TESOL 4110/5110	The Structure of English	
TESOL 4120/5120	Introduction to Linguistics	
Complete one of the following:**		**3**
TESOL/Applied Linguistics:		
TESOL 4140/5140	History of the English Language	
TESOL 4310/5310	Modern English Grammar and Usage	
TESOL 4510/5510	Language Development	
TESOL 4710/5710	Applied English Linguistics for Educators	
Complete all of the following:		**15**
Communication:		
COMM 1000	Oral Communication	
English:		
ENGLISH 4920/5920	The Teaching of Writing	
ENGLISH 4940/5940	Literature for Young Adults	
ENGLISH 4980/5980	The Teaching of English	
Literacy Education		
LITED 4117/5117	Methods of Teaching Content Literacy at the Middle and Secondary Levels	
Electives in English literature: complete at least one course from each group (A, B, and C):		
Within each group, other appropriate topics may be offered in sections of: *		
ENGLISH 3159/4159/5159	Experimental course	
ENGLISH 3186/4186/5186	"Studies in"	
ENGLISH 4188/5188	Author Seminar: _____	
ENGLISH 4190/5190	Seminar in Literature: _____	
ENGLISH 4688/5688	Genre Seminar:_____	
Group A: Literature in English to 1800: *		**3**
ENGLISH 4310/5310	Old English Language, Literature, and Culture	
ENGLISH 4315/5315	Early Modern Drama	
ENGLISH 4320/5320	English Renaissance	
ENGLISH 4325/5325	18th-Century British Literature	

ENGLISH 4370/5370	Chaucer	
ENGLISH 4375/5375	Shakespeare	
ENGLISH 4380/5380	Milton	
ENGLISH 4410/5410	Early American Literature	
Group B: Literature in English since 1800: *		**3**
ENGLISH 4330/5330	British Romantic Writers	
ENGLISH 4335/5335	British Victorian Writers	
ENGLISH 4340/5340	British Novel to 1900	
ENGLISH 4345/5345	British Novel Since 1900	
ENGLISH 4420/5420	The American Renaissance	
ENGLISH 4425/5425	American Realism and Naturalism to WWI	
ENGLISH 4430/5430	American Poetry to 1914	
ENGLISH 4445/5445	American Novel Since 1900	
ENGLISH 4602/5602	Modern and Contemporary Poetry	
ENGLISH 4615/5615	Modern Drama	
Group C: Literary Theory, Film, Cross-Cultural: *		**3**
ENGLISH 3144	Genocide in Writing and Film	
ENGLISH 3148	The Holocaust in Literature and Film	
ENGLISH 4110/5110	Environmental Literature	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4140/5140	Literary Criticism	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4310/5310	Old English Language, Literature, and Culture	
ENGLISH 4540/5540	African American Literature	
ENGLISH 4560/5560	Asian American Literature	
ENGLISH 3577/ CAP 3187	Blues and Jazz in African American Film and Literature	
ENGLISH 4588/5588	World Literature Seminar: (Topic)	
ENGLISH 4632/5632	Literary Nonfiction	
ENGLISH 4652/5652	Film and Literature	
ENGLISH 4660/5660	Film History	
ENGLISH 4664/5664	Film Theory and Criticism	
ENGLISH 4672/5672	Electronic Literature	
Total Hours		**48**

** The following courses have additional prerequisites:
ENGLISH 3710/5710 has a prerequisite of ENGLISH 2120 or ENGLISH 2700
ENGLISH 4765/5765 and ENGLISH 4775/5775 and ENGLISH 4785/5785 have prerequisites of MGMT 2080 or ENGLISH 2770 or consent of instructor.
TESOL 4140/5140 and TESOL 4710/5710 have prerequisites of TESOL 4120/5120 or TESOL 4110/5110.

Note: Prerequisites for student teaching in English are a grade point average of 2.50 in English major courses and a grade of C or better in ENGLISH 4980/5980.

Spanish Major

The Spanish major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major requires a study-abroad experience in a Spanish-speaking country in a program approved by the Spanish faculty. Students may seek suitable substitutions with Spanish-speaking communities in the U.S. with departmental approval.

A grade of C- (1.67) or higher is required of all Spanish courses.

Required:

Spanish: a minimum of 36 semester hours in Spanish courses more advanced than SPAN 1002;

30 hours must be in courses numbered 3000-level or higher, of which 6 hours must be in courses numbered 4000 or higher; and including at least two courses from group A and one course from group B:

Required: 18 hours (Complete all of the following)	
SPAN 3001	Advanced Writing
or SPAN 3050/5050	Written Communication
or SPAN 3006	Spanish for Heritage Speakers
SPAN 3003	Advanced Conversation and Reading
or SPAN 3051/505	Advanced Oral Communication
SPAN 3004	Introduction to Hispanic Literature
SPAN 3007	Introduction to Translation
SPAN 3008/5008	Introduction to Spanish Linguistics
SPAN 3012	Survey of Spanish American Literature
or SPAN 3018	Survey of Spanish Literature
Group A: (6 hrs.)	
SPAN 3020	Latin American Culture and Civilization
SPAN 3023	Culture and Civilization of Spain
SPAN 3027	Latinos in the United States
SPAN 4041/5041	Hispanic Cultures: Film and Multimedia
SPAN 4046/5046	Topics in Language and Culture: _____
SPAN 3052/5052	Contemporary Hispanic Culture
SPAN 4066/5066	Topics in Literature and Culture: _____
Group B: (3 hours)	
SPAN 4045/5045	Translation
SPAN 4047/5047	Structure of Spanish
SPAN 4062/5062	Spanish American Literature: _____
SPAN 4063/5063	Peninsular Literature: _____

SPAN 4064/5064	Hispanic Literature: _____	
Electives in Spanish (9 hours)		
Total hours		36*

* This program begins with SPAN 3001 and will require up to twelve hours of course work beyond the minimum hours required for this major/minor if a student does not demonstrate a proficiency at the fifth semester level.

Spanish Major-Teaching

The Spanish major in Teaching requires a minimum of 120 total hour to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major requires a study-abroad experience in a Spanish-speaking country in a program approved by the Spanish faculty. Students may seek suitable substitutions with Spanish-speaking communities in the U.S. with departmental approval.

This major leads to endorsement #134: 5-12 Spanish.

A grade of C- (1.67) or higher is required of all Spanish courses.

Methods: (Complete all of the following)		
LANG 4740/5740	Language Teaching Methods l	3
LANG 4750	Assessment in Language Learning	3
LANG 4093	Technology in Language Education	3
SPAN 4091	Practicum in Teaching Spanish	3
Spanish:		
a minimum of 30 semester hours in Spanish courses more numbered higher than SPAN 1002, of which 6 hours must be in courses numbered 4000 or higher; and including:		
Required:		18
SPAN 3001	Advanced Writing	
or SPAN 3050/5050	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
SPAN 3003	Advanced Conversation and Reading	
or SPAN 3051/505	Advanced Oral Communication	
SPAN 3004	Introduction to Hispanic Literature	
SPAN 3007	Introduction to Translation	
SPAN 3008/5008	Introduction to Spanish Linguistics	
SPAN 3012	Survey of Spanish American Literature	
or SPAN 3018	Survey of Spanish Literature	
Group A: (6 hours)		6
SPAN 3020	Latin American Culture and Civilization	
SPAN 3023	Culture and Civilization of Spain	
SPAN 3027	Latinos in the United States	
SPAN 3052/5052	Contemporary Hispanic Culture	
SPAN 4041/5041	Hispanic Cultures: Film and Multimedia	
SPAN 4046/5046	Topics in Language and Culture: _____	
SPAN 4066/5066	Topics in Literature and Culture: _____	
Group B: (3 hours)		3
SPAN 4045/5045	Translation	
SPAN 4047/5047	Structure of Spanish	
SPAN 4062/5062	Spanish American Literature: _____	
SPAN 4063/5063	Peninsular Literature: _____	
SPAN 4064/5064	Hispanic Literature: _____	
Elective in Spanish (3 hours)		3
Total Hours		**42**

*This program begins with SPAN 3001 /SPAN 3006 and will require up to twelve hours of course work beyond the minimum hours required for this major/minor if a student does not demonstrate a proficiency at the fifth semester level.

Teaching English to Speakers of Other Languages (TESOL) Major

The Teaching English to Speakers of Other Languages (TESOL) major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required:

Completion of UNIFI Written Communication requirement:		3-6
UNIV 1000 & UNIV 1010	First-Year Cornerstone: Integrated Communication I and First-Year Cornerstone: Integrated Communication II (UNIFI Written Communication not satisfied until UNIV 1010 also completed)	
ENGLISH 1005	College Writing and Research	
ENGLISH 2015	Introduction to Writing Studies	
ENGLISH 2120	Critical Writing About Literature (If selected will satisfy UNIFI Written Communication and major requirement choice below)	
Literature & Language Core:		
ENGLISH 2520	Multicultural Literature	3

6 hours of language study in a language other than that used to satisfy UNI's Foreign Language Graduation Requirement, such as Spanish, French, German, Chinese, ASL, or other language as approved by the department.		6
One of the following courses:		3
ENGLISH 2120	Critical Writing About Literature	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
ENGLISH 4920/5920	The Teaching of Writing	
Complete all of the following:		
TESOL 4110/5110	The Structure of English	3
or TESOL 4120/5120	Introduction to Linguistics	
TESOL 4520/5520	Cultural Aspects of Language and Language Teaching	3
or TESOL 4540/5540	Sociolinguistics	
TESOL 4340/5340	English Grammar: Form and Function	3
TESOL 4350/5350	Phonetics, Phonology, and Language Teaching	3
TESOL 4510/5510	Language Development	3
TESOL 4720/5720	Bilingualism and Bilingual Education	3
TESOL 4760/5760	Language Teaching Methods ll	3
LANG 4740/5740	Language Teaching Methods l	3
Electives in TESOL/Applied Linguistics		**3**
Electives in literature or TESOL/Applied Linguistics		**3**
Total Hours		**45-48**

Note: International students must have achieved a TOEFL paper-based score of 600 or computer-based score of 250 or the equivalent in order to demonstrate their proficiency in English.

Teaching English to Speakers of Other Languages (TESOL) Major-Teaching

The Teaching English to Speakers of Other Languages (TESOL)-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, the specified major requirements, plus electives to complete the minimum of 120 hours.

Student teaching at both the K-8 and 5-12 levels is required to earn the ESL K-12 endorsement on an Iowa teaching license.

This major leads to endorsement #104: K-12 English as a Second Language.

Required:

Literature & Language Core:		
ENGLISH 2520	Multicultural Literature	3
6 hours of language study in a language other than that used to satisfy UNI's Foreign Language Graduation Requirement, such as Spanish, French, German, Chinese, ASL, or other language as approved by the department.		6
One of the following courses:		3
ENGLISH 2120	Critical Writing About Literature	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
ENGLISH 4920/5920	The Teaching of Writing	
All of the following:		
TESOL 4120/5120	Introduction to Linguistics	3
or TESOL 4110/5110	The Structure of English	
TESOL 4520/5520	Cultural Aspects of Language and Language Teaching	3
or TESOL 4540/5540	Sociolinguistics	
TESOL 4340/5340	English Grammar: Form and Function	3
TESOL 4350/5350	Phonetics, Phonology, and Language Teaching	3
TESOL 4510/5510	Language Development	3
TESOL 4720/5720	Bilingualism and Bilingual Education	3
All of the following:		
LANG 4093	Technology in Language Education	3
LANG 4740/5740	Language Teaching Methods l	3
LANG 4750	Assessment in Language Learning	3
TESOL 4760/5760	Language Teaching Methods ll	3
TESOL 4770	Undergraduate TESOL Practicum	3
Total Hours		**45**

Note: International students must have achieved a TOEFL paper-based score of 600 or computer-based score of 250 or the equivalent in order to demonstrate their proficiency in English.

Note: Teaching English to Speakers of Other Languages (TESOL) teaching majors will be waived from LRNTECH 1020 Secondary Educational Technology and Design (Professional Education Requirements). A student changing to a different education major from TESOL teaching may be required to complete LRNTECH 1020 Secondary Educational Technology and Design or LRNTECH 1031 Educational Technology and Design, depending upon the new major.

TESOL/Modern Language Major-Teaching *(Extended Program)*

The TESOL/Modern Language Major-Teaching requires a minimum of 132 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 132 hours.

Student teaching at both the K-8 and 5-12 levels is required to earn the ESL K-12 endorsement on an Iowa teaching license.

This major leads to endorsements #104: K-12 English as a Second Language, #133: K-8 Spanish, and #134: 5-12 Spanish.

A grade of C- (1.67) or higher is required of all Spanish courses.

Required:

Select one of the following:		3
English:		
ENGLISH 2120	Critical Writing About Literature	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
ENGLISH 4920/5920	The Teaching of Writing	
SPAN 3003	Advanced Conversation and Reading	
Pedagogy Component--complete all of the following:		
Language:		
LANG 4093	Technology in Language Education	3
LANG 4740/5740	Language Teaching Methods l	3
LANG 4750	Assessment in Language Learning	3
TESOL Component--complete all of the following:		
TESOL 4120/5120	Introduction to Linguistics	3
or TESOL 4110/5110	The Structure of English	
TESOL 4340/5340	English Grammar: Form and Function	3
TESOL 4350/5350	Phonetics, Phonology, and Language Teaching	3
TESOL 4510/5510	Language Development	3
TESOL 4520/5520	Cultural Aspects of Language and Language Teaching	3
or TESOL 4540/5540	Sociolinguistics	
TESOL 4720/5720	Bilingualism and Bilingual Education	3
TESOL 4760/5760	Language Teaching Methods ll	3
TESOL 4770	Undergraduate TESOL Practicum	3
Select one language emphasis below (note: the French and German Emphases are currently suspended and may not be selected at this time)		
Total Hours		**36**

Emphases

French

French Emphasis:		
Languages:		
LANG 4093	Technology in Language Education	
French:		
FREN 2001	Intermediate French Language and Culture	
FREN 2002	Composition	
FREN 2011	Topics in French Conversation: _____	
FREN 2012	Advanced Topics in French Conversation: ____	
FREN 3001/5001	Advanced Composition	
FREN 3004	Introduction to Literature in French	
FREN 4005/5005	Stylistics	
FREN 4024/5024	French Civilization	
or FREN 4025/502	Contemporary France	
FREN 4091	Practicum in Teaching French	
At least one French literature course; and electives in French more advanced than FREN 1002 and FREN 1012.		

German

German Emphasis:		
Languages:		
LANG 4093	Technology in Language Education	
German:		
GER 2001	German Language and Culture III	
GER 2011	German Communication Practice III	
GER 2002	German Language and Culture IV	
GER 2012	German Communication Practice IV	
GER 3001/5001	German Writing Practice	
GER 3003/5003	German Conversation	
GER 4091	Practicum in Teaching German	
At least one German literature course and electives in German more advanced than GER 1002 and GER 1012.		

Spanish

Spanish Emphasis		
Note: this Emphasis begins with SPAN 2002 and will require up to 9 hours of coursework beyond the minimum hours required for this Emphasis if a student does not qualify for enrollment in SPAN 2002.		
Spanish:		
SPAN 2002	Oral and Written Spanish	3
SPAN 3001	Advanced Writing	3
or SPAN 3006	Spanish for Heritage Speakers	
or SPAN 3050/5050	Written Communication	
SPAN 3004	Introduction to Hispanic Literature	3
SPAN 3007	Introduction to Translation	3
SPAN 3008/5008	Introduction to Spanish Linguistics	3

SPAN 4091	Practicum in Teaching Spanish	3
Select one of the following:		3
SPAN 3020	Latin American Culture and Civilization	
SPAN 3023	Culture and Civilization of Spain	
SPAN 3027	Latinos in the United States	
SPAN 3052/5052	Contemporary Hispanic Culture	
Select one of the following:		3
SPAN 4045/5045	Translation	
SPAN 4046/5046	Topics in Language and Culture: _____	
SPAN 4047/5047	Structure of Spanish	
Total Hours		**24**

Note: International students must have achieved a TOEFL paper-based score of 600 or computer-based score of 250 or the equivalent.

Note: TESOL/Modern Language teaching majors will be waived from LRNTECH 1020 Secondary Educational Technology and Design (Professional Education Requirements). A student changing to a different education major from TESOL/Modern Languages teaching may be required to complete LRNTECH 1020 Secondary Educational Technology and Design or LRNTECH 1031 Educational Technology and Design, depending upon the new major.

Minors

English Minor

Literary Studies

Required:		
ENGLISH 2120	Critical Writing About Literature	3
At least one of the following courses (the remaining three courses can also be used in the ENGLISH electives category below)		3
ENGLISH 2320	Survey of English Literature I: Beginnings to Early Modernity	
ENGLISH 2340	Survey of English Literature II: Romantics to Post-Colonialism	
ENGLISH 2420	Survey of American Literature	
ENGLISH 2520	Multicultural Literature	
Electives:		15
Additional ENGLISH-prefix print literature courses from the following or from the three ENGLISH courses not chosen in the above category (3-15 hours)		
ENGLISH/CAP 3144	Genocide in Writing and Film	
ENGLISH/CAP 3148	The Holocaust in Literature and Film	
ENGLISH 3159/4159	(Experimental course)	
ENGLISH 3186/4186	"Studies in"	
ENGLISH 4110/5110	Environmental Literature	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4140/5140	Literary Criticism	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4188/5188	Author Seminar: _____	
ENGLISH 4190/5190	Seminar in Literature: _____	
ENGLISH 4310/5310	Old English Language, Literature, and Culture	
ENGLISH 4315/5315	Early Modern Drama	
ENGLISH 4320/5320	English Renaissance	
ENGLISH 4325/5325	18th-Century British Literature	
ENGLISH 4330/5330	British Romantic Writers	
ENGLISH 4335/5335	British Victorian Writers	
ENGLISH 4340/5340	British Novel to 1900	
ENGLISH 4345/5345	British Novel Since 1900	
ENGLISH 4370/5370	Chaucer	
ENGLISH 4375/5375	Shakespeare	
ENGLISH 4380/5380	Milton	
ENGLISH 4410/5410	Early American Literature	
ENGLISH 4420/5420	The American Renaissance	
ENGLISH 4425/5425	American Realism and Naturalism to WWI	
ENGLISH 4430/5430	American Poetry to 1914	
ENGLISH 4445/5445	American Novel Since 1900	
ENGLISH 4540/5540	African American Literature	
ENGLISH 4560/5560	Asian American Literature	
ENGLISH 3577/ CAP 3187	Blues and Jazz in African American Film and Literature	
ENGLISH 4588/5588	World Literature Seminar: (Topic)	
ENGLISH 4602/5602	Modern and Contemporary Poetry	
ENGLISH 4615/5615	Modern Drama	
ENGLISH 4632/5632	Literary Nonfiction	
ENGLISH 4652/5652	Film and Literature	
ENGLISH 4660/5660	Film History	
ENGLISH 4664/5664	Film Theory and Criticism	
ENGLISH 4672/5672	Electronic Literature	
ENGLISH 4688/5688	Genre Seminar:_____	
option: an ENGLISH-prefix course in film, creative writing, or professional writing (0-3 hours)		
option: one of the following courses in TESOL/Applied Linguistics (0-3 hours)		
TESOL 4110/5110	The Structure of English	
TESOL 4120/5120	Introduction to Linguistics	
TESOL 4140/5140	History of the English Language	
TESOL 4310/5310	Modern English Grammar and Usage	
Total Hours		**21**

English Minor-Film Studies

Required:		
ENGLISH 2650	Introduction to Film	3
ENGLISH 4660/5660	Film History	3
ENGLISH 4664/5664	Film Theory and Criticism	3
Electives (choose three courses from the following):		9
English:		
ENGLISH 3144	Genocide in Writing and Film	
ENGLISH 3148	The Holocaust in Literature and Film	
ENGLISH 3577	Blues and Jazz in African American Film and Literature	
ENGLISH 4652/5652	Film and Literature	
ENGLISH 4672/5672	Electronic Literature *	
ENGLISH 4668/5668	Issues in International Film: (topic)	
Communication and Media:		
COMM DM 1651	Digital Media Production I *	
COMM DM 2652	Emerging Digital Media: (Topic) *	
COMM DM 4621/562	Digital Media Analysis *	
COMM DM 4653/565	Digital Media Distribution *	
Other appropriate topics may be offered in sections of ENGLISH 4688/5688/5688 (Genre Seminar) and ENGLISH 4720/5720/5720 (Studies in Creative Writing) *		
Total Hours		**18**

* The following courses have additional prerequisites:
ENGLISH 4672/5672 has a prerequisite of COMM 2555 or ENGLISH 2120 or consent of instructor; junior standing.
ENGLISH 4688/5688 has a prerequisite of ENGLISH 2120 or consent of instructor; junior standing.
ENGLISH 4720/5720 has a prerequisite of ENGLISH 2700 or consent of instructor; junior standing.
COMM DM 1651 has a prerequisite of COMM DM 1650 or consent of instructor; junior standing.
COMM DM 2652 has a prerequisite of COMM DM 1651 or consent of instructor; junior standing.
COMM DM 4621/5621 has a prerequisite of COMM COR 2020 or consent of instructor; junior standing.
COMM DM 4653/5653 has a prerequisite of COMM COR 1010 or consent of instructor; junior standing.

English Minor-Teaching

This minor leads to endorsement #120: 5-12 English/Language Arts.

Required:

English:		
ENGLISH 2120	Critical Writing About Literature	3
ENGLISH 2520	Multicultural Literature	3
ENGLISH 2320	Survey of English Literature I: Beginnings to Early Modernity	3
ENGLISH 2340	Survey of English Literature II: Romantics to Post-Colonialism	3
ENGLISH 2420	Survey of American Literature	3
TESOL/Applied Linguistics:		
TESOL 4110/5110	The Structure of English	3
Literacy Education:		
LITED 4117/5117	Methods of Teaching Content Literacy at the Middle and Secondary Levels	3
Communication:		
COMM 1000	Oral Communication	3
Languages and Literatures:		
ENGLISH 4940/5940	Literature for Young Adults	3
ENGLISH 4980/5980	The Teaching of English	3
ENGLISH 4920/5920	The Teaching of Writing	3
Total Hours		**33**

A minimum cumulative grade point average of 2.40 in courses taken to complete this minor is required.

Interdisciplinary Language Studies Minor: French

The Interdisciplinary Language Studies Minor: French is designed to provide students with the opportunity to gain knowledge in French language, history,literature, business, and culture that will complement the work they are doing in their major field of study. It is particularly appropriate for students majoring in content areas such as art history, history, vocal music, international business, geography, and global studies as it will enrich their content knowledge and offer a global perspective on their subject.

French courses required:		
FREN 2001	Intermediate French Language and Culture	3
FREN 2002	Composition	3
FREN 3001/5001	Advanced Composition	3
French electives: Literature, Language, and Culture courses:		6-9
FREN 2011	Topics in French Conversation: _____	
FREN 3003/5003	Advanced Conversation	
FREN 3004	Introduction to Literature in French	
FREN 3011/5011	Business French	
FREN 3085/5085	Introduction to Translation	
FREN 4005/5005	Stylistics	
FREN 4014/5014	The World of French Business	
FREN 4021/5021	Special Topics in Language and Culture	
FREN 4022/5022	Special Topics in French Literature	
FREN 4081/5081	Advanced Business French	
Electives in other fields:		3-6
Art:		
ARTHIST 1111	Survey of Art History I	

ARTHIST 1222	Survey of Art History II	
ARTHIST 4040/5040	Medieval Art	
ARTHIST 4302/5302	Northern Renaissance Art	
ARTHIST 4310/5310	17th and 18th Century Art	
ARTHIST 4320/5320	19th Century Western Art	
ARTHIST 4350/5350	Early 20th Century Art	
ARTHIST 4362/5362	Late 20th Century and Contemporary Art	
Geography:		
GEOG 4110/5110	Cultural Geography	
History:		
HIST 4360/5360	Age of Absolutism and the Enlightenment	
HIST 4510/5510	Europe from the French Revolution to World War I	
Music:		
MUS HIST 1010	History of Music I: Antiquity Through Renaissance *	
MUS HIST 1020	History of Music II: Baroque and Classical *	
MUS HIST 1030	History of Music III: Romantic, Twentieth, and Twenty-First Centuries *	
Philosophy/Religion:		
PHIL 2230	The Age of Reason: Philosophy in the Renaissance and Enlightenment	
PHIL 3330	Death, Sex and the Body: Phenomenology and Foucault	
Total **		21

* Multiple years of previous study and the ability to read music in all clefs is required.

** Note: This program begins with FREN 2001. Students should already have taken the following courses or their equivalents: FREN 1001, FREN 1011, FREN 1002, and FREN 1012. This minor will require up to six hours of course work beyond the minimum hours required for this minor if a student does not demonstrate a proficiency at the third semester level.

Spanish Minor

A grade of C- (1.67) or higher is required of all Spanish courses.

Required:

Spanish:		
SPAN 3001	Advanced Writing	3
or SPAN 3050/5050	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
3 hours in Spanish courses numbered higher than SPAN 3001		3
15 hours in Spanish courses numbered higher than SPAN 1002		15
Total Hours		**21**

*This program begins with Spanish 3001 and will require up to twelve hours of course work beyond the minimum hours required for this major/minor if a student does not demonstrate a proficiency at the fifth semester level.

Spanish Minor-Teaching

This minor leads to endorsement #133: K-8 Spanish if students complete Elementary Student Teaching, or endorsement #134: 5-12 Spanish if students complete Secondary Student Teaching.

A grade of C- (1.67) or higher is required of all Spanish courses.

Required:

Methods:		12
LANG 4740/5740	Language Teaching Methods l	
LANG 4750	Assessment in Language Learning	
LANG 4093	Technology in Language Education	
SPAN 4091	Practicum in Teaching Spanish	
Spanish:		3
SPAN 3001	Advanced Writing	
or SPAN 3050/5050	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
3 hours in Spanish numbered higher than SPAN 3001		3
15 hours in Spanish courses numbered higher than SPAN 1002		15
Total Hours		**33**

*This program begins with Spanish 3001 and will require up to twelve hours of course work beyond the minimum hours required for this major/minor if a student does not demonstrate a proficiency at the fifth semester level.

Spanish/English Translation Minor

Required:

SPAN 3001	Advanced Writing	3
or SPAN 3050/5050	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
SPAN 3007	Introduction to Translation	3
SPAN 3008/5008	Introduction to Spanish Linguistics	3
SPAN 4045/5045	Translation	3
One course from the following:		3
TESOL 4110/5110	The Structure of English	
TESOL 4310/5310	Modern English Grammar and Usage	
TESOL 4340/5340	English Grammar: Form and Function	
One course from the following:		3
SPAN 3020	Latin American Culture and Civilization	
SPAN 3023	Culture and Civilization of Spain	
SPAN 3027	Latinos in the United States	

SPAN 3052/5052	Contemporary Hispanic Culture	

The minimum passing grade is B-.

Total Hours	**18**

Teaching English to Speakers of Other Languages (TESOL) Minor

Required:

Languages		
LANG 4740/5740	Language Teaching Methods l	3
TESOL/Applied Linguistics:		
TESOL 4120/5120	Introduction to Linguistics	3
or TESOL 4110/5110	The Structure of English	
TESOL 4350/5350	Phonetics, Phonology, and Language Teaching	3
TESOL 4540/5540	Sociolinguistics	3
or TESOL 4520/5520	Cultural Aspects of Language and Language Teaching	
TESOL 4510/5510	Language Development	3
TESOL 4340/5340	English Grammar: Form and Function	3
TESOL 4720/5720	Bilingualism and Bilingual Education	3
TESOL 4760/5760	Language Teaching Methods ll	3
Total Hours		**24**

Teaching English to Speakers of Other Languages (TESOL) Minor-Teaching

This minor leads to endorsement #104: K-12 English as a Second Language. Students must complete Special Area Student Teaching (TEACHING 3140) in addition to their major student teaching requirement.

Required courses (18 hours)		
TESOL 4110/5110	The Structure of English	3
or TESOL 4120/5120	Introduction to Linguistics	
TESOL 4520/5520	Cultural Aspects of Language and Language Teaching	3
or TESOL 4540/5540	Sociolinguistics	
LANG 4740/5740	Language Teaching Methods l	3
TESOL 4510/5510	Language Development	3
TESOL 4720/5720	Bilingualism and Bilingual Education	3
TESOL 4760/5760	Language Teaching Methods ll	3
Total Hours		18
Optional Recommended Courses		
TESOL 4340/5340	English Grammar: Form and Function	3
TESOL 4350/5350	Phonetics, Phonology, and Language Teaching	3

Note: To earn the ESL K-12 endorsement on an Iowa teaching license, student teaching in ESL classrooms at both the K-8 and 5-12 levels is required.

Writing Minor

Required:

Choose ONE option.

1. Creative Writing Option

English:

ENGLISH 1120	Literature: (topic)	3
or ENGLISH 2120	Critical Writing About Literature	
ENGLISH 2700	Elements of Creative Writing	3
Two of the following "Craft" courses:		**6**
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 3715/5715	Craft of Poetry	
ENGLISH 3725/5725	Craft of Fiction	
One of the following "Workshop" courses:		**3**
ENGLISH 4730/5730	Creative Nonfiction Workshop	
ENGLISH 4740/5740	Poetry Workshop	
ENGLISH 4750/5750	Fiction Workshop	
Elective: choose one of the following:		**3**
ENGLISH 4755/5755	Creative Writing Practicum: North American Review	
ENGLISH 4720/5720	Studies in Creative Writing: (topic)	
ENGLISH 4780/5780	The Profession of Editing	
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 3715/5715	Craft of Poetry	
ENGLISH 3725/5725	Craft of Fiction	
ENGLISH 4730/5730	Creative Nonfiction Workshop	
ENGLISH 4740/5740	Poetry Workshop	
ENGLISH 4750/5750	Fiction Workshop	
Total Hours		**18**

* ENGLISH 4780/5780 has prerequisite of ENGLISH 2770 or consent of instructor.

2. Professional Writing Option

English:

ENGLISH 2770	Introduction to Workplace Writing	3
ENGLISH 4765/5765	Applied Writing: Workplace Communication	3
ENGLISH 4775/5775	Applied Writing: Specialized Documents	3
ENGLISH 4780/5780	The Profession of Editing	3
ENGLISH 4025/5025	Theory and Practice of Writing	3
or ENGLISH 4040/50	Digital Writing: Theory and Practice	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	3
Total hours		18

Master of Arts Degree Programs

Major in English

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Languages and Literatures for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major in English is available on the **thesis** and **non-thesis** options, and degree applicants choose one of three emphases (see below). Both the **thesis** and the **non-thesis** options require a **minimum of 30 or 36 semester hours**, depending on the emphasis chosen. **A minimum of 15 hours of 6000-level course work is required for each option.**

The three emphases are the following:

1. **Literature Emphasis**, minimum 30 semester hours - available on both **thesis** and **non-thesis** options;
2. **English Studies Emphasis**, minimum 30 semester hours - available on both **thesis** and **non-thesis** options;
3. **Creative Writing Emphasis**, minimum 36 semester hours - available on **thesis** option only.

Graduate students are required to meet with the English Graduate Coordinator each semester for planning and approval of the courses within one's Program of Study. The department may require an applicant to complete course work in addition to the minimum hours specified for the selected option and emphasis. More information about this program approval process is available from the English Graduate Coordinator.

Successful completion of a final field examination is required for **both the thesis and non-thesis options**. In addition, students pursuing the **non-thesis** option are required to complete an approved research paper.

Native speakers of English must demonstrate proficiency in another language by earning at least a C grade in a second-semester, college-level course or by passing a specially designed examination. Coursework taken to satisfy this foreign language requirement does not count toward the number of hours required for completion of the degree major.

For full admission, in order to demonstrate their proficiency in English, non-native English speakers must achieve a score of 100 in the TOEFL (Test of English as a Foreign Language), 7.0 in the IELTS (International English Language Testing System), or 120 in Duolingo. A student may be required to take additional English language improvement courses at the discretion of the English Graduate Faculty. Work taken to satisfy the language proficiency requirement does not count toward the minimum of 30 to 36 semester hours required to complete the selected emphasis.

Individuals teaching in Iowa community colleges are not required to hold state issued teaching licenses. However, graduate course work in postsecondary education may strengthen one's qualifications for teaching at a community college. Contact individual colleges to determine the requirements for teaching appointments at each institution.

Literature Emphasis: Available on both the thesis and non-thesis options.

Required:

Languages and Literatures:		
ENGLISH 6100	Methods of Graduate Study in English	3
Electives, including the required literature electives, are planned with the English Graduate Coordinator; they must include 12 hours of 6000-level courses in addition to ENGLISH 6100 (including 6 hours of ENGLISH 6299 required for thesis option; no more than 3 hours of ENGLISH 6299 may be used for the non-thesis option)		
English Literature electives selected from the following:		**21**
ENGLISH 4110/5110	Environmental Literature	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4140/5140	Literary Criticism	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4188/5188	Author Seminar: _____	
ENGLISH 4190/5190	Seminar in Literature: _____	
ENGLISH 4310/5310	Old English Language, Literature, and Culture	
ENGLISH 4315/5315	Early Modern Drama	
ENGLISH 4320/5320	English Renaissance	
ENGLISH 4325/5325	18th-Century British Literature	
ENGLISH 4330/5330	British Romantic Writers	
ENGLISH 4335/5335	British Victorian Writers	
ENGLISH 4340/5340	British Novel to 1900	
ENGLISH 4345/5345	British Novel Since 1900	
ENGLISH 4370/5370	Chaucer	
ENGLISH 4375/5375	Shakespeare	
ENGLISH 4380/5380	Milton	
ENGLISH 4410/5410	Early American Literature	
ENGLISH 4420/5420	The American Renaissance	
ENGLISH 4425/5425	American Realism and Naturalism to WWI	
ENGLISH 4430/5430	American Poetry to 1914	
ENGLISH 4445/5445	American Novel Since 1900	
ENGLISH 4540/5540	African American Literature	
ENGLISH 4560/5560	Asian American Literature	
ENGLISH 4602/5602	Modern and Contemporary Poetry	
ENGLISH 4588/5588	World Literature Seminar: (Topic)	

ENGLISH 4615/5615	Modern Drama	
ENGLISH 4632/5632	Literary Nonfiction	
ENGLISH 4652/5652	Film and Literature	
ENGLISH 4660/5660	Film History	
ENGLISH 4664/5664	Film Theory and Criticism	
ENGLISH 4672/5672	Electronic Literature	
ENGLISH 4688/5688	Genre Seminar:_____	
ENGLISH 6110	Topics in Literary Criticism	
ENGLISH 6120	Feminist Literary Theories and Practice	
ENGLISH 6140	Contemporary Literary Theory	
ENGLISH 6188	Seminar in Literature	
ENGLISH 6310	Medieval English Literature	
ENGLISH 6320	English Renaissance Literature	
ENGLISH 6330	Restoration and 18th Century English Literature	
ENGLISH 6340	19th Century English Literature	
ENGLISH 6350	Modern English Literature	
ENGLISH 6420	American Romantic Literature	
ENGLISH 6430	Issues in American Literature, 1865-1914	
ENGLISH 6450	Modern American Literature	
ENGLISH 6540	Contemporary Literature	
English electives selected from the following:		**6**
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 3715/5715	Craft of Poetry	
ENGLISH 3725/5725	Craft of Fiction	
ENGLISH 4025/5025	Theory and Practice of Writing	
ENGLISH 4040/5040	Digital Writing: Theory and Practice	
ENGLISH 4110/5110	Environmental Literature	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4140/5140	Literary Criticism	
ENGLISH 4188/5188	Author Seminar: _____	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4190/5190	Seminar in Literature: _____	
ENGLISH 4310/5310	Old English Language, Literature, and Culture	
ENGLISH 4315/5315	Early Modern Drama	
ENGLISH 4320/5320	English Renaissance	
ENGLISH 4325/5325	18th-Century British Literature	
ENGLISH 4330/5330	British Romantic Writers	
ENGLISH 4335/5335	British Victorian Writers	
ENGLISH 4340/5340	British Novel to 1900	
ENGLISH 4345/5345	British Novel Since 1900	
ENGLISH 4370/5370	Chaucer	
ENGLISH 4375/5375	Shakespeare	
ENGLISH 4380/5380	Milton	
ENGLISH 4410/5410	Early American Literature	
ENGLISH 4420/5420	The American Renaissance	
ENGLISH 4425/5425	American Realism and Naturalism to WWI	
ENGLISH 4430/5430	American Poetry to 1914	
ENGLISH 4445/5445	American Novel Since 1900	
ENGLISH 4540/5540	African American Literature	
ENGLISH 4560/5560	Asian American Literature	
ENGLISH 4588/5588	World Literature Seminar: (Topic)	
ENGLISH 4602/5602	Modern and Contemporary Poetry	
ENGLISH 4615/5615	Modern Drama	
ENGLISH 4632/5632	Literary Nonfiction	
ENGLISH 4652/5652	Film and Literature	
ENGLISH 4660/5660	Film History	
ENGLISH 4664/5664	Film Theory and Criticism	
ENGLISH 4672/5672	Electronic Literature	
ENGLISH 4688/5688	Genre Seminar:_____	
ENGLISH 4730/5730	Creative Nonfiction Workshop	
ENGLISH 4740/5740	Poetry Workshop	
ENGLISH 4750/5750	Fiction Workshop	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4770/5770	Applied Writing: Proposals and Grants	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
ENGLISH 4780/5780	The Profession of Editing	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	
ENGLISH 4790/5790	Professional Writing Practicum: _____	
ENGLISH 4990/5990	Seminar in Teaching College Writing	
ENGLISH 6110	Topics in Literary Criticism	
ENGLISH 6120	Feminist Literary Theories and Practice	
ENGLISH 6140	Contemporary Literary Theory	
ENGLISH 6188	Seminar in Literature	
ENGLISH 6310	Medieval English Literature	
ENGLISH 6320	English Renaissance Literature	
ENGLISH 6340	19th Century English Literature	
ENGLISH 6350	Modern English Literature	
ENGLISH 6420	American Romantic Literature	
ENGLISH 6430	Issues in American Literature, 1865-1914	
ENGLISH 6450	Modern American Literature	
ENGLISH 6540	Contemporary Literature	
ENGLISH 6720	Graduate Creative Writing Workshop	
ENGLISH 6980	Seminar in the Teaching of English	

Total hours, thesis or non-thesis option		30
Optional: up to 6 additional hours to complete a specialty area or a program certificate, subject to the approval of the student's advisor and the English Graduate Coordinator		

English Studies Emphasis: Available on both the **thesis** and **non-thesis** options.

Required:

ENGLISH 6100	Methods of Graduate Study in English	3
English electives:		**27**
These electives are planned with the English Graduate Coordinator: must include 12 hours of 6000-level courses in addition to ENGLISH 6100 (including 6 hours of ENGLISH 6299 required for the thesis option; no more than 3 hours of ENGLISH 6299 may be used for the non-thesis option).		
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 3715/5715	Craft of Poetry	
ENGLISH 3725/5725	Craft of Fiction	
ENGLISH 4025/5025	Theory and Practice of Writing	
ENGLISH 4040/5040	Digital Writing: Theory and Practice	
ENGLISH 4110/5110	Environmental Literature	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4140/5140	Literary Criticism	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4188/5188	Author Seminar: _____	
ENGLISH 4190/5190	Seminar in Literature: _____	
ENGLISH 4310/5310	Old English Language, Literature, and Culture	
ENGLISH 4315/5315	Early Modern Drama	
ENGLISH 4320/5320	English Renaissance	
ENGLISH 4325/5325	18th-Century British Literature	
ENGLISH 4330/5330	British Romantic Writers	
ENGLISH 4335/5335	British Victorian Writers	
ENGLISH 4340/5340	British Novel to 1900	
ENGLISH 4345/5345	British Novel Since 1900	
ENGLISH 4370/5370	Chaucer	
ENGLISH 4375/5375	Shakespeare	
ENGLISH 4380/5380	Milton	
ENGLISH 4410/5410	Early American Literature	
ENGLISH 4420/5420	The American Renaissance	
ENGLISH 4425/5425	American Realism and Naturalism to WWI	
ENGLISH 4430/5430	American Poetry to 1914	
ENGLISH 4445/5445	American Novel Since 1900	
ENGLISH 4540/5540	African American Literature	
ENGLISH 4560/5560	Asian American Literature	
ENGLISH 4588/5588	World Literature Seminar: (Topic)	
ENGLISH 4602/5602	Modern and Contemporary Poetry	
ENGLISH 4615/5615	Modern Drama	
ENGLISH 4632/5632	Literary Nonfiction	
ENGLISH 4652/5652	Film and Literature	
ENGLISH 4660/5660	Film History	
ENGLISH 4664/5664	Film Theory and Criticism	
ENGLISH 4672/5672	Electronic Literature	
ENGLISH 4688/5688	Genre Seminar:_____	
ENGLISH 4730/5730	Creative Nonfiction Workshop	
ENGLISH 4740/5740	Poetry Workshop	
ENGLISH 4750/5750	Fiction Workshop	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4770/5770	Applied Writing: Proposals and Grants	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	
ENGLISH 4780/5780	The Profession of Editing	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	
ENGLISH 4790/5790	Professional Writing Practicum: _____	
ENGLISH 4990/5990	Seminar in Teaching College Writing	
ENGLISH 6110	Topics in Literary Criticism	
ENGLISH 6120	Feminist Literary Theories and Practice	
ENGLISH 6140	Contemporary Literary Theory	
ENGLISH 6188	Seminar in Literature	
ENGLISH 6310	Medieval English Literature	
ENGLISH 6320	English Renaissance Literature	
ENGLISH 6340	19th Century English Literature	
ENGLISH 6350	Modern English Literature	
ENGLISH 6420	American Romantic Literature	
ENGLISH 6430	Issues in American Literature, 1865-1914	
ENGLISH 6450	Modern American Literature	
ENGLISH 6540	Contemporary Literature	
ENGLISH 6720	Graduate Creative Writing Workshop	
ENGLISH 6980	Seminar in the Teaching of English	
Total hours, thesis or non-thesis option		30
Optional: up to 6 additional hours to complete a specialty area or a program certificate, subject to the approval of the student's advisor and the English Graduate Coordinator.		

Creative Writing Emphasis: Available on the thesis option only.

Required:

Languages and Literatures:		
ENGLISH 6100	Methods of Graduate Study in English	3
3 to 6 hours of the following "Craft" courses:		**3-6**
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 3715/5715	Craft of Poetry	
ENGLISH 3725/5725	Craft of Fiction	
6 to 12 hours of the following "Workshop" courses: *		**6-12**
ENGLISH 4730/5730	Creative Nonfiction Workshop	
ENGLISH 4740/5740	Poetry Workshop	
ENGLISH 4750/5750	Fiction Workshop	
ENGLISH 6720	Graduate Creative Writing Workshop	
Research:		
ENGLISH 6299	Research	6
English Literature electives (planned with graduate coordinator) must include 6 hours of 6000-level courses		**12-15**
Optional: Elective in literature, writing, or culture from a department other than English or a non-literature course from English		**0-3**
Total hours		**36**

* A total of at least 12 hours is required from ENGLISH 3710/5710, ENGLISH 3715/5715, ENGLISH 3725/5725, ENGLISH 4730/5730, ENGLISH 4740/5740, ENGLISH 4750/5750, and ENGLISH 6720.

The required thesis shall consist of a collection of short stories, a novel or novel excerpt, a collection of poems, a book-length poem, or a combination of fiction and poetry. Critical apparatuses - such as prologue, introduction, epilogue, notes, bibliography - are not required within the thesis. A formal oral defense of the thesis is required, and a public reading of selected portions of the thesis is recommended.

Major in Teaching English in Secondary Schools

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Languages and Literatures for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major in Teaching English in Secondary Schools requires a **minimum of 33 semester hours** , and is available only as a **non-thesis** program. **A minimum of 15 hours of 6000-level course work is required.**

This major is offered primarily as an outreach or distance education program to cohort groups of practicing teachers; students in each group proceed through the program together over a period of about three years.

Successful completion of a final written and oral comprehensive examination is required. Students are also required to complete an approved research paper. Contact the English Graduate Coordinator for details.

Teacher licensure is a prerequisite (and a secondary English/Language Arts endorsement is a prerequisite or corequisite) for completing the program approval process for this major. A licensed teacher who lacks a secondary English/Language Arts endorsement should consult at once with the English Graduate Coordinator in order to plan appropriate course work which may include one or more courses in addition to the minimum requirements for the major. Each student's Program of Study for this major requires the approval of the English Graduate Coordinator.

Required		
ENGLISH 6100	Methods of Graduate Study in English	3
ENGLISH 6980	Seminar in the Teaching of English	3
English electives in English/Language Arts pedagogy *		12
English electives in literature *		12
English elective in English/Language Arts pedagogy or literature		3
or		
ENGLISH 6299	Research	
Total Hours		**33**

* *Electives must include at least 9 hours of 200/6000-level course work.

Major in Teaching English to Speakers of Other Languages (TESOL)

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Languages and Literatures for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options, and requires a **minimum of 33 semester hours** for the **non-thesis option**, and **36 semester hours** for the **thesis option**, which includes 6 hours of TESOL 6299 Research. The non-thesis option requires an approved

research paper. **A minimum of 15 hours of 6000-level course work is required for either option.**

Successful completion of a final written comprehensive examination is required for **both thesis and non-thesis options**, as specified by the TESOL/Applied Linguistics faculty. Contact the TESOL Graduate Coordinator for details.

Required:

Languages:		
LANG 4740/5740	Language Teaching Methods l	3
TESOL/Applied Linguistics:		
TESOL 4120/5120	Introduction to Linguistics	3
or TESOL 4110/5110	The Structure of English	
TESOL 4350/5350	Phonetics, Phonology, and Language Teaching	3
TESOL 4540/5540	Sociolinguistics	3
or TESOL 4520/5520	Cultural Aspects of Language and Language Teaching	
TESOL 4340/5340	English Grammar: Form and Function	3
TESOL 4760/5760	Language Teaching Methods ll	3
TESOL 6100	Introduction to Graduate Study in TESOL/Applied Linguistics	3
TESOL 6289	Seminar in Language	3
TESOL 6510	Second Language Acquisition	3
TESOL 6297	TESOL Practicum	3
TESOL 6299 Research		3 or 6
Non-thesis option (3 hrs.)		
Thesis option (6 hrs.)		
Total hours non-thesis option		33
Total hours thesis option		36

Students choosing the thesis option are required to complete 6 hours of TESOL 6299, as approved by the TESOL Graduate Coordinator. Students who have earned undergraduate credit for any of the required courses select electives in TESOL/Applied Linguistics, with the advice and approval of the TESOL Graduate Coordinator, to complete the required minimum total of 33 hours.

Native speakers of English must demonstrate proficiency in another language by earning at least a C grade in a second-semester, college-level course or by passing a specially designed examination. In order to demonstrate their proficiency in English, international students must achieve a score of 100 in the TOEFL (Test of English as a Foreign Language), 7.0 in the IELTS (International English Language Testing System), or 120 in Duoling. An international student may be required to take additional English language improvement courses at the discretion of the TESOL/Applied Linguistics faculty. Work taken to satisfy the language proficiency requirement does not count toward the 33 semester hours required to complete the major program.

Successful completion of a teaching portfolio and presentation at a UNI-sponsored or other professional conference/symposia are required for both thesis and non-thesis options, as specified by the TESOL/Applied Linguistics faculty. See the TESOL Graduate Coordinator for details.

As a degree requirement, students will need to do one of the following:

a) Present at a professional conference OR

b) Prepare a professional portfolio under the supervision of a graduate faculty member

The choice will be made by student in consultation with his/her advisor.

Students who wish to pursue state licensure to teach should request information concerning licensure requirements from the Director of Teacher Education at the University of Northern Iowa or from the Department of Education in the state in which they plan to teach.

NOTE: The prerequisites listed for 4000/5000 level courses apply only to undergraduates. Depending upon their undergraduate coursework, graduate students may be required to take coursework to satisfy those prerequisites.

Major in TESOL/Modern Languages

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Languages and Literatures for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

This major is available as the **non-thesis** option only. A **minimum of 33 semester hours** is required, including a **minimum of 15 hours at the 6000-level**. An approved research paper is also required. The student who has not completed FREN 3001/5001 / GER 3001/5001 / SPAN 3001 and either TESOL 4120/5120 or TESOL 4110/5110 (or the equivalent) before entering the master's degree program must add these courses to the requirements listed below. There is no separate modern language requirement.

Successful completion of a final written comprehensive examination is required for this M.A. major, as specified by the TESOL/Applied Linguistics and appropriate language faculties. Contact the TESOL Graduate Coordinator for details.

Required:

TESOL/Applied Linguistics:		
TESOL 4340/5340	English Grammar: Form and Function	3
TESOL 4760/5760	Language Teaching Methods ll	3
TESOL 6100	Introduction to Graduate Study in TESOL/Applied Linguistics	3
TESOL 6289	Seminar in Language	3
TESOL 6510	Second Language Acquisition	3
TESOL 6297	TESOL Practicum	3
Electives: One of the following language emphases for a minimum total emphasis of 15 hours of which 6 hours must be at the 200/6000-level		15
Total Hours		**33**

French Emphasis:

Languages:		
LANG 4740/5740	Language Teaching Methods l	3
or LANG 6090	Theory and Practice in Foreign Language Teaching	
French:		
FREN 4024/5024	French Civilization	3
or FREN 4025/5025	Contemporary France	
Select one of the following:		3
FREN 6003	Structure of French	
FREN 6070	French Literature in Review I	
FREN 6071	French Literature in Review II	
FREN 6289 Seminar		
Plus courses approved by the graduate French advisor.		6
Total Hours		**15**

German Emphasis:

Languages:		
LANG 4740/5740	Language Teaching Methods l	3
or LANG 6090	Theory and Practice in Foreign Language Teaching	
German:		
GER 4050/5050	Contemporary Germany and Austria	3
Plus courses approved by the graduate German advisor.		9
Total Hours		**15**

Spanish Emphasis:

Languages:		
LANG 4740/5740	Language Teaching Methods l	3
or LANG 6090	Theory and Practice in Foreign Language Teaching	
Spanish: one graduate course in each of the following areas:		9
Culture and civilization		
Translation		
Linguistics		
Plus courses approved by the graduate Spanish advisor.		3
Total Hours		**15**

Note: In order to demonstrate proficiency in English, international students must achieve a score of 100 in the TOEFL (Test of English as a Foreign Language), 7.0 in the IELTS (International English Language Testing System), or 120 in Duolingo. An international student may be required to take additional English language development courses at the discretion of the TESOL/Applied Linguistics faculty.

Students who wish state licensure to teach should request information concerning licensure requirements from the Director of Teacher Education, University of Northern Iowa, or from the Department of Education in the state in which they plan to teach.

NOTE: The prerequisites listed for 4000/5000 level courses apply only to undergraduates. Depending upon their undergraduate coursework, graduate students may be required to take coursework to satisfy those prerequisites.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificate, contact the Department of Languages and Literatures or the Office of the Registrar, which serves as the centralized registry.

Certificate in Chinese Studies

The Certificate in Chinese Studies aims to encourage non-Chinese-native students to study Mandarin Chinese with an emphasis on quickly developing speaking fluency as well as cross-cultural communication skills to enable conversation with Chinese native speakers. Such skills are applicable in multiple fields such as study abroad, travel and internship in a Mandarin-speaking environment. To fulfill diverse needs, this certificate program offers a combination of on-campus courses as well as online courses for students.

This Certificate is not intended for native Chinese speakers.

Required:		12
CHIN 1001	Elementary Chinese I	
CHIN 1002	Elementary Chinese II	
CHIN 1011	Intermediate Chinese I	
Elective: (one of the following)		1-3
HUM 3124	China	
CHIN 1086 Studies in Chinese Film (1 hr.)		
CHIN 1086 Studies in Chinese Culture (1 hr.)		
CHIN 1050	Introduction to Chinese Literature	
CHIN 1060	Introduction to Chinese Culture: (Topic)	
ENGLISH 1120	Literature: (topic) *	
HIST 4850/5850	Pre-Modern Chinese History	
HIST 4860/5860	Modern Chinese History	
POL COMP 3162	Politics of East Asia	
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	
Total Hours		**13-15**

* When the topic is Chinese Literature

Certificate in French Language Studies

Required:

15 semester hours of course work, selected from the following:		15
French:		
FREN 1001	Introduction to French Language and Culture I	
FREN 1002	Introduction to French Language and Culture II	

FREN 1011	French Communication Practice I	
FREN 1012	French Communication Practice II	
FREN 2001	Intermediate French Language and Culture	
FREN 2011	Topics in French Conversation: _____	
FREN 2002	Composition	
FREN 2012	Advanced Topics in French Conversation: ____	
FREN 3001/5001	Advanced Composition	
FREN 3002	French to English Translation	
FREN 3003/5003	Advanced Conversation	
Total Hours		**15**

A written and/or oral proficiency examination at the discretion of the certificate committee.

Certificate in Hispanic Cultures

Required:

Spanish:		6
SPAN 2002	Oral and Written Spanish *	
SPAN 3001	Advanced Writing	
or SPAN 3050/5050	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
Spanish:		
9 hours of course work, selected from the following:		9
SPAN 3020	Latin American Culture and Civilization	
SPAN 3023	Culture and Civilization of Spain	
SPAN 3027	Latinos in the United States	
SPAN 3052/5052	Contemporary Hispanic Culture	
SPAN 4041/5041	Hispanic Cultures: Film and Multimedia	
SPAN 4046/5046	Topics in Language and Culture: _____	
SPAN 4066/5066	Topics in Literature and Culture: _____	
Total Hours		**15**

* SPAN 2002 has prerequisite of SPAN 2001 or equivalent.

Certificate in International Business, Culture, and Language

The Certificate in International Business, Culture, and Language is available to College of Business students majoring in Accounting, Business Teaching, Economics, Finance, Management, Management Information Systems, Marketing, Real Estate, and Supply Chain Management and to students completing the General Business Concepts minor. The purpose of this certificate is to encourage students to seek language and cultural knowledge in order to build a foundation for understanding the global environment in which business operates. For more information students should contact UNI*Business* Advising, CBB 5. To enroll in this program students must declare their intent on a Declaration of Curriculum form. The form may be obtained in CBB 5.

International Business		
MGMT 3189/5189	International Management	3
Cultural and Political Perspectives		
Select one of the following:		3
Political Science:		
POL INTL 1024	International Relations *	
Geography:		
GEOG 1110	Global Geography *	
Sociology:		
SOC 1000	Introduction to Sociology *	
Anthropology:		
ANTH 1002	Introduction to Cultural Anthropology *	
Philosophy and World Religions:		
RELS 1020	Religions of the World *	
RELS/PHIL 1540	Ethics in Business	
Foreign Language and History +		
Select one of the language options below:		9-15

Chinese (14-15 hours)

CHIN 1001	Elementary Chinese I **	4
CHIN 1002	Elementary Chinese II **	4
Select two of the following:		
CHIN 1011	Intermediate Chinese I	4-5
RELS 2100	Great Living Religions: Hinduism and Buddhism	3
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	3
HUM 3124	China *	3
POL COMP 3162	Politics of East Asia	3
HIST 4850/5850	Pre-Modern Chinese History	3
HIST 4860/5860	Modern Chinese History	3

French (12 hours)

FREN 1001	Introduction to French Language and Culture I **	3
FREN 1002	Introduction to French Language and Culture II **	3
Select two of the following:		
FREN 2001	Intermediate French Language and Culture	3
FREN 2002	Composition	3
FREN 2012	Advanced Topics in French Conversation: ____	3

German (12 hours)

GER 1001	German Language and Culture I **	3

GER 1002	German Language and Culture II **	3
Select two of the following:		
ENGLISH/CAP 3148	The Holocaust in Literature and Film	3
HIST 4460/5460	History of Germany to 1648	3
HIST 4630/5630	History of Germany Since 1648	3

Spanish (12 hours)

SPAN 1001	Elementary Spanish I **	3
SPAN 1002	Elementary Spanish II **	3
Select two of the following:		
HUM 3123	Latin America *	3
SPAN 2001	Intermediate Spanish	3
SPAN 2002	Oral and Written Spanish	3
SPAN 2053	Spanish for Special Purposes: _____	3
SPAN 3001	Advanced Writing ***	3
SPAN 3006	Spanish for Heritage Speakers ***	3
SPAN 3020	Latin American Culture and Civilization ^	3
SPAN 3050/5050	Written Communication ***	3
SPAN 3052/5052	Contemporary Hispanic Culture	3-5
HIST 4720/5720	Modern Latin American History	3
POL COMP 3167	Latin American Politics	3

English (9 hours)**

Select one of the following:		3
HIST 1023	History of the United States	
POL AMER 1014	Power & Politics in the U.S. *	
Select two of the following:		
ENGLISH 2520	Multicultural Literature	3
ENGLISH 2340	Survey of English Literature II: Romantics to Post-Colonialism ^	3
ENGLISH 2420	Survey of American Literature ^	3
ENGLISH 4410/ RELS 4230/5230	Early American Literature ^	3
ENGLISH 4420/5420	The American Renaissance ^	3
ENGLISH 4445/5445	American Novel Since 1900 ^	3
HIST 4235/5235	Popular Culture in the United States	3
HIST 4275/5275	United States Constitutional History	3
HIST 4240/5240	History of American Thought	3
HIST 4250/5250	Religion in America	3
RELS 3180	Religion and Politics: (Topics)	3

+ A student's native language cannot be used to meet the language requirement of the certificate.

* Credit hours in these UNIFI/General Education courses may be applied toward the completion of the UNIFI/General Education requirement and the completion of this certificate program.

** Students who received credit toward the foreign language competency requirement for UNI graduation from satisfactory performance in high school language courses or students who can pass an equivalency examination do not need to take these courses.

*** Students may choose only one of the following courses as an elective: SPAN 3001, SPAN 3006, or SPAN 3050/5050

**** Available only for students who are non-native English speakers.

^ The following courses have additional prerequisites:
SPAN 3020 has prerequisite of SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent.
ENGLISH 2340 and ENGLISH 2420 have prerequisite or corequisite ENGLISH 2120.
ENGLISH 4410/5410, ENGLISH 4420/5420, and ENGLISH 4445/5445, have prerequisites ENGLISH 2120 or consent of instructor, and junior standing.

Summary

1. International Business	3
2. Cultural and Political Perspectives	3
3. Foreign Language and History *	9-15
Chinese: 14-15 hours	
French: 12 hours	
German: 12 hours	
Spanish: 12 hours	
English: 9 hours	
Total Hours	**15-21**

Certificate in International Commerce

Required: A major or minor in a modern language.
The following courses:

Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 3153	Organizational Management	3
MGMT 3189/5189	International Management	3
Advanced writing course:		3
SPAN 3001	Advanced Writing	
or SPAN 3006	Spanish for Heritage Speakers	
or FREN 3001/5001	Advanced Composition	
Economics:		
ECON 1031	Introduction to Business Economics	3
Elective course in business, culture and civilization, or other approved course, in the respective modern language		3
Total Hours		**18**

Certificate in Linguistic Studies

The Linguistic Studies Certificate is an interdisciplinary program that provides students with the opportunity to expand their language proficiency in a second language in combination with interdisciplinary coursework in linguistics and related fields. Linguistic Studies will complement the work students are doing in their major field(s) of study and is particularly appropriate for students with majors, minors, or certificates in TESOL, Spanish, French Studies, Chinese Studies, Philosophy, Communication Sciences & Disorders*, Sociology, Anthropology, Education, and Global Studies. This certificate is also of interest to students pursuing intermediate coursework in the following languages: American Sign Language (ASL), Chinese, French, or Spanish.

Area A: Language		**3-5**
One language course in Chinese, American Sign Language, French, or Spanish at the intermediate level or higher.		
Students will choose one of the following language courses:		
CHIN 1011	Intermediate Chinese I *	
ASL 3196	American Sign Language (ASL) III *	
FREN 2001	Intermediate French Language and Culture *	
SPAN 2001	Intermediate Spanish *	
Area B: Language Analysis		
Introductory Linguistics		
One of the following courses		3
FREN 4021/5021	Special Topics in Language and Culture	
SPAN 3008/5008	Introduction to Spanish Linguistics	
TESOL 4110/5110	The Structure of English	
TESOL 4120/5120	Introduction to Linguistics	
Advanced Linguistics		
One of the following courses		3
CSD 3100	Language Acquisition in Children: Birth to 5 Years	
CSD 3120	Phonetics in Communicative Disorders	
FREN 4021/5021	Special Topics in Language and Culture	
PHIL 3620	Philosophy of Language: Wittgenstein *	
SPAN 4043/5043	Pronunciation and Oral Proficiency	
SPAN 4047/5047	Structure of Spanish	
TESOL 4350/5350	Phonetics, Phonology, and Language Teaching	
TESOL 4340/5340	English Grammar: Form and Function	
TESOL 4510/5510	Language Development	
Language in Context		
One of the following courses		3
ANTH 3001	Language and Culture	
ENGLISH 4025/5025	Theory and Practice of Writing	
FREN 4021/5021	Special Topics in Language and Culture	
SPAN 4046/5046	Topics in Language and Culture: _____	
TESOL 3550	Constructing Cross-Cultural Bridges	
TESOL 3565	Intercultural Perspectives	
TESOL 4540/5540	Sociolinguistics	
Total Hours		**12-14**

* CHIN 1011 has a prerequisite of CHIN 1001 Elementary Chinese I (4-5 credits) and CHIN 1002 Elementary Chinese II (4-5 credits) or placement exam.

* ASL 3196 has prerequisites of ASL 3190 American Sign Language (ASL) I (3 credits) and ASL 3195 American Sign Language (ASL) II (3 credits) or placement exam.

* FREN 2001 has prerequisites of FREN 1001 Introduction to French Language and Culture I (3 credits) and FREN 1002 Introduction to French Language and Culture II (3 credits) or placement exam.

* SPAN 2001 has prerequisites of SPAN 1001 Elementary Spanish I and SPAN 1002 Elementary Spanish II or placement exam.

* PHIL 1030 Elementary Logic is a suggested prerequisite for PHIL 3620 Philosophy of Language: Wittgenstein.

Certificate in Literary Publishing

This Certificate in Literary Publishing emphasizes professional and creative experiences that position students to participate in the field of literary publishing.

Required		6
ENGLISH 2700	Elements of Creative Writing	
ENGLISH 2770	Introduction to Workplace Writing	
Advanced		
Choose one of the following:		3
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 3715/5715	Craft of Poetry	
ENGLISH 3725/5725	Craft of Fiction	
ENGLISH 4025/5025	Theory and Practice of Writing	
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers	
Elective		
Choose two of the following individual courses*:		6
ENGLISH 4040/5040	Digital Writing: Theory and Practice	
ENGLISH 4672/5672	Electronic Literature **	
ENGLISH 4755/5755	Creative Writing Practicum: North American Review ***	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	

ENGLISH 4780/5780	The Profession of Editing
Total Hours	**15**

* with Department approval, elective credit may also be given for appropriate sections of ENGLISH 4186 Studies in (topic), ENGLISH 4188/5188 Author Seminar: _____, ENGLISH 4190/5190 Seminar in Literature: _____, or ENGLISH 4192 English Senior Seminar: (topic).

** ENGLISH 4672/5672has a prerequisite of COMM 2555 or ENGLISH 2120 or consent of instructor; junior standing

*** ENGLISH 4755/5755 may only be used once in this certificate.

Certificate in Post-Colonial and Multicultural Literary Studies

This certificate offers explorations of post-colonial, multicultural, and ethnic literary studies that will help equip students to participate in an increasingly diverse society.

Required:

Completion of UNIFI Written Communication as follows. Select one of the following:		3-6
UNIV 1000 & UNIV 1010	First-Year Cornerstone: Integrated Communication I and First-Year Cornerstone: Integrated Communication II (UNIFI Written Communication not satisfied until UNIV 1010 also completed)	
ENGLISH 1005	College Writing and Research	
ENGLISH 2015	Introduction to Writing Studies	
ENGLISH 2120	Critical Writing About Literature	
Languages and Literatures:		3
ENGLISH 2520	Multicultural Literature	
Electives:		12
(To include at least 9 hours of 3000/4000-level courses)		
Languages and Literatures:		
ENGLISH 1120	Literature: (topic) (Literature: Native American Literature)	
ENGLISH 4120/5120	Literature, Gender and Intersectionality	
ENGLISH 4540/5540	African American Literature	
ENGLISH 4560/5560	Asian American Literature	
TESOL/Applied Linguistics:		
TESOL 4540/5540	Sociolinguistics	
French:		
FREN 4028/5028	Special Topics in Francophone Literature	
Spanish:		
SPAN 3004	Introduction to Hispanic Literature	
SPAN 3020	Latin American Culture and Civilization	
SPAN 3027	Latinos in the United States	
Total Hours		**18-21**

** The following courses have additional prerequisites:
ENGLISH 4120/5120 has a prerequisite of ENGLISH 2120 or consent of instructor
ENGLISH 4540/5540 and ENGLISH 4560/5560 have a prerequisite of ENGLISH 2120 or ENGLISH 2520 or consent of instructor
TESOL 4540/5540 has a prerequisite of TESOL 4120/5120 or TESOL 4110/5110
FREN 4028/5028 has a prerequisite of FREN 3001/5001; FREN 3004; or equivalents
SPAN 3004, SPAN 3020 and SPAN 3027 have a prerequisite of SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent.

Certificate in Spanish Language Studies

Required:

12 semester hours of course work, selected from the following:		12
Spanish:		
SPAN 2001	Intermediate Spanish	
SPAN 2002	Oral and Written Spanish	
SPAN 2053	Spanish for Special Purposes: _____	
SPAN 3000	Teaching Spanish in the Elementary School	
SPAN 3001	Advanced Writing	
or SPAN 3050/5050	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
SPAN 3002/5002	Advanced Spanish for Special Purposes: _____	
SPAN 3003	Advanced Conversation and Reading	
SPAN 3004	Introduction to Hispanic Literature	
SPAN 3179 (Cooperative Education)		
Total Hours		**12**

A written and/or oral proficiency examination at the discretion of the certificate committee.

Certificate in Spanish for Special Purposes

A minimum of 12 credit hours beyond SPAN 2001 Intermediate Spanish is required.

Required:

Spanish:		7-9
SPAN 2053	Spanish for Special Purposes: _____*	
SPAN 3001	Advanced Writing	
or SPAN 3050/5050	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	

SPAN 3002/5002	Advanced Spanish for Special Purposes: _____ *	
Electives:		
Select one course from each of the following two categories:		5-6
Group A:		
Spanish:		
SPAN 3007	Introduction to Translation	
SPAN 3008/5008	Introduction to Spanish Linguistics	
Group B:		
Humanities:		
HUM 3123	Latin America	
Spanish:		
SPAN 3020	Latin American Culture and Civilization	
SPAN 3023	Culture and Civilization of Spain	
SPAN 3027	Latinos in the United States	
Total Hours		**12-15**

* Area of concentration (must be same area of concentration)
- Medical Spanish
- Business Spanish
- Spanish for Social Services
- Spanish for Criminology and Law Enforcement
- Spanish for Tourism
- Spanish for Journalism and Broadcasting

Certificate in Teaching English to Speakers of Other Languages

The following courses satisfy the minimum requirements for an ESL K-12 Endorsement on an Iowa Teaching License if a first endorsement is earned with a teaching major. The Certificate may also be earned by those who do not seek Iowa Teacher Licensure but, instead, are preparing for post-secondary teaching, teaching in other countries, and non-teaching positions.

Required:

Languages:		
LANG 4740/5740	Language Teaching Methods l	3
TESOL/Applied Linguistics:		
TESOL 4110/5110	The Structure of English	3
or TESOL 4120/5120	Introduction to Linguistics	
TESOL 4510/5510	Language Development	3
TESOL 4520/5520	Cultural Aspects of Language and Language Teaching	3
or TESOL 4540/5540	Sociolinguistics	
TESOL 4720/5720	Bilingualism and Bilingual Education	3
TESOL 4760/5760	Language Teaching Methods ll	3
Total Hours		**18**

Department of Management

(College of Business)

business.uni.edu/management

The Department of Management offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Management section in the following order:

Undergraduate Majors (B.A.)

- Business Analytics (p. 317)
- Human Resource Management (p. 317)
- Management (p. 318)
- Management Information Systems (p. 319)
- Supply Chain Management (p. 319)

Minors

- General Business Concepts (p. 320)
- Organizational Leadership (p. 320)

Note: Students majoring in Management, Management Information Systems (MIS) and Supply Chain Management must satisfy the College of Business admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from UNI*Business* Advising in the College of Business or at https://business.uni.edu/students/advising/uni-college-business-policies.
Prior to completion of the admission requirements, students may sign an intent to major in one of these areas and be classified as a prospective (pre)major. Pre-Management or Pre-MIS majors may enroll in lower division (below 3000-level) business courses only. Enrollment in upper division (3000/4000-level) business courses requires satisfactory completion of the College of Business admission requirements and any course prerequisites.

Management, MIS and Supply Chain Management majors may declare a double major and/or major and minor within the College of Business, subject to regulations imposed by those College of Business departments affected. Management, MIS and Supply Chain Management majors minoring within the College of Business must select minors designated for business majors. Management majors may not minor in Organizational Leadership. No more than one emphasis area may be declared in Management.

To graduate with a major in Management, Management Information Systems or Supply Chain Management from the College of Business, a student must earn at least 50% (i.e 60 cr. hrs.) of the business credit hours required for the major at UNI. A student must earn a 2.20 cumulative grade point average at UNI; and earn an overall 2.20 grade point average in ACCT xxxx, MKTG xxxx, MGMT xxxx, FIN xxxx, and ECON xxxx courses taken at UNI. Students given permission to graduate out-of-residence must earn a 2.20 or better in all courses approved and accepted for out-of-residence credit.

The Management Department may impose additional admission requirements for students wishing to declare a minor or a second

College of Business major. Eligibility to declare a minor or a second College of Business major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNI*Business* Advising (CBB 5) in the College of Business.

Bachelor of Arts Degree Programs

Business Analytics

The Business Analytics major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required Business Core		
Business Administration, Interdepartmental		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Accounting		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing		
MKTG 2110	Principles of Marketing	3
Management		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management *	3
Finance		
FIN 3130/5130	Corporate Finance	3
Economics		
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics		
STAT 1772	Introduction to Statistical Methods	3
Required		
Economics		
ECON 3371	Economic and Business Forecasting	3
Management		
MGMT 2032	Business Application Development I	3
MGMT 2036	Business Analytics Fundamentals	3
MGMT 3120	Database Management and Theory	3
MGMT 3121	Advanced Business Analytics	3
Electives (Choose One of the Following)		3
Economics		
ECON 3373/5373	Introduction to Econometrics	
Management		
MGMT 3122	Business Intelligence	
Marketing		
MKTG 3116/5116	Marketing Analytics	
Total Hours		**60**

* The rest of the business core must be completed before MGMT 4175 (150:175) (p. 1) is taken

Human Resource Management Major

The Human Resource Management major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required Business Core:		
Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management *	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3

Required Courses:		
Management:		
MGMT 3155	Human Resource Management	3

MGMT 3905/5905	Employment and Labor Law	3
MGMT 3966/5966	Staffing and Employee Development	3
MGMT 3968/5968	Compensation and Performance Management Systems	3
MGMT 3984/5984	Dynamics of Negotiations	3
Electives (select one of the following):		3
MGMT 3163	Creative Problem Solving	
MGMT 3189/5189	International Management	
MGMT 3974/5974	Business, Ethics, and Society	
Total Hours:		60

* The rest of the business core must be completed before MGMT 4175 is taken.

Management Major

The Management major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required business core

Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management *	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Emphasis requirements (choose one area of emphasis)		18
Total Hours		**60**

* The rest of the business core must be completed before MGMT 4175 is taken.

Emphases

Business Administration

Required

MGMT 3163	Creative Problem Solving	3
MGMT 3189/5189	International Management	3
Choose three electives:		**9**
Management:		
MGMT 3101	Business Law	
MGMT 2113	Business Communication	
MGMT 3145	Information Systems Applications	
MGMT 3155	Human Resource Management	
MGMT 3185	Project Management	
MGMT 3166	Six Sigma and Lean Consulting Methodology	
MGMT 3905/5905	Employment and Labor Law	
MGMT 3966/5966	Staffing and Employee Development	
MGMT 3974/5974	Business, Ethics, and Society	
MGMT 3984/5984	Dynamics of Negotiations	
Marketing and Entrepreneurship:		
ENTR 3583/5583	Entrepreneurship	
Choose one other elective:		**3**
Upper-level (3000/4000-level or ECON 2132 or MGMT 2113) course from Accounting, Economics, Finance, Marketing & Entrepreneurship (exceptions listed below) OR another 3-hour Management elective from above.		
Exceptions (the following are NOT approved elective options):		
ACCT 3055	VITA: Individual Income Tax Preparation	
ACCT 3090	Internship -- Accounting	
ACCT 3092/5092	Special Problems -- Accounting	
ACCT 3094	Individual Readings	
ACCT 3179	Cooperative Education in Accounting	
ACCT 4080	FAR Review	
ACCT 4084	Auditing Review	
ECON 3179	Cooperative Education in Economics	
ECON 4380/5380	Directed Research in Economics	
FIN 3080	Special Problems	
FIN 3179	Cooperative Education in Finance	

MKTG 3179	Cooperative Education in Marketing	
MKTG 4198	Independent Study	
MKTG 4595	Internship-Marketing	

Organizational Leadership

Required:		
Management:		
MGMT 3155	Human Resource Management	3
MGMT 3183	Leadership Skills	3
MGMT 3974/5974	Business, Ethics, and Society	3
MGMT 3984/5984	Dynamics of Negotiations	3
Plus 6 hours to be selected from the following courses:		**6**
MGMT 3163	Creative Problem Solving	
MGMT 3185	Project Management	
MGMT 3189/5189	International Management	
Marketing and Entrepreneurship		
ENTR 3583/5583	Entrepreneurship	

Footnote: Management majors are allowed to double major with either Supply Chain Management, Business Analytics, or Management Information Systems with five additional classes (i.e., only one class is allowed to double count for both majors). A student majoring in Management major cannot double major in Human Resource Management.

Management Information Systems Major

The Management Information Systems major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required business core		
Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing *	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management *	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management **	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Required courses		
Management:		
MGMT 2032	Business Application Development I	3
MGMT 2034	Business Application Development II	3
MGMT 3112	Systems Analysis and Design	3
MGMT 3120	Database Management and Theory	3
MGMT 3125	Information Systems Development Projects	3
MGMT 3140	Information Systems Management	3
Select a Technical Elective (Choose one)		3
Accounting		
ACCT 3140	Accounting Information Systems	
Management		
MGMT 3127	Decision Support, Analytics and Business Intelligence	
MGMT 3128	Business Application Development III	
Computer Science		
CS 3610/5610	Artificial Intelligence *	
Total Hours		**63**

* CS 3610/5610 has a prerequisite of CS 1520; CS 1800; and junior standing.

Supply Chain Management Major

The Supply Chain Management major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required Business Core:		
Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3

Marketing:		
MKTG 2110	Principles of Marketing *	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management **	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Required Courses:		
MGMT 3161	Supply Chain and Purchasing	3
MGMT 3167	Global Supply Chain Management	3
MGMT 3168	Supply Chain Modeling and Analytics	3
MKTG 3163	Distribution and Logistics	3
Electives: Select two of the following:		6
Management:		
MGMT 3166	Six Sigma and Lean Consulting Methodology	
MGMT 3185	Project Management	
MGMT 3189/5189	International Management	
MGMT 3974/5974	Business, Ethics, and Society	
MGMT 3984/5984	Dynamics of Negotiations	
Total Hours		**60**

* These courses have additional prerequisites as follows: MKTG 2110 has prerequisite of ECON 1031 or ECON 1041.

** The rest of the business core must be completed before MGMT 4175 is taken.

Note: Supply Chain Management majors are allowed to double major with Business Analytics, Management Information Systems, or Management: Organizational Leadership, Management: Business Administration, or Management: Human Resource Management with five additional classes (i.e., only one class is allowed to double count for both majors).

Supply Chain Management Majors are allowed to earn an Organizational Leadership minor with four additional classes (i.e., no classes are allowed to double count for the Supply Chain Management major and the Organizational Leadership minor).

Minors

General Business Concepts Minor

Required		
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3965/5965	Organizational Behavior	3
Economics:		
ECON 1031	Introduction to Business Economics	3
or equivalent		
ECON 1011	Statistics for Business Analytics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Total Hours		**24**

NOT available to majors in: Accounting, Business Analytics, Business Teaching, Economics-Business Economics emphasis, Finance, Management, Management Information Systems, Marketing, Supply Chain Management, and Real Estate.

Organizational Leadership Minor

This minor is intended for College of Business students who would like to supplement the specialized education of their major with an intensive program that develops the thinking, communication, and interpersonal skills they need to be successful as managers and leaders during their careers. Program enrollment is limited to students with a College of Business major other than Management.

Required		
Management:		
MGMT 3155	Human Resource Management	3
MGMT 3183	Leadership Skills	3
MGMT 3974/5974	Business, Ethics, and Society	3
MGMT 3984/5984	Dynamics of Negotiations	3
Total Hours		**12**

Note: A student majoring in the Human Resource Management major can not double major in Management. A student majoring in Human Resource Management can minor in Organizational Leadership.

Department of Marketing and Entrepreneurship

(College of Business)

business.uni.edu/marketing

The Department of Marketing and Entrepreneurship offers the following undergraduate programs and program certificates. Specific requirements for these programs are listed within this Department of Marketing and Entrepreneurship section in the following order:

Undergraduate Majors (B.A.)

- Marketing (p. 321)

Minors

- Business Communication (p. 322) (also listed in Department of Communication and Media)
- Entrepreneurship (p. 323)
- Marketing (p. 325)

Program Certificates

- Entrepreneurship (p. 326)
- Entrepreneurship (graduate certificate) (p. 326)
- Financial and Real Estate Sales for Business Majors (p. 326) (also listed in Department of Finance)
- Global Marketing (graduate certificate) (p. 327)

Note: Students majoring in Marketing must satisfy the College of Business admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from UNI*Business* Advising in the College of Business or at https://business.uni.edu/students/advising/uni-college-business-policies. Prior to completion of the admission requirements, students may sign an intent to major in Marketing and be classified as a prospective (pre)major. Pre-Marketing majors may enroll in lower division (below 3000-level) business courses only. Enrollment in upper division (3000/4000-level) business courses requires satisfactory completion of the College of Business admission requirements and any course prerequisites.

Marketing majors *may* declare a double major, double minor, and/or major and minor within the College of Business, subject to the regulations imposed by those College of Business departments affected. Marketing majors minoring within the College of Business must select minors designated for business majors. Marketing majors may not declare more than one emphasis in Marketing.

To graduate with a major in Marketing from the College of Business, a student must earn at least 50% of the business credit hours required for the major at UNI. In addition, a minimum of nine graded hours must be earned in 3000/4000-level, UNI Marketing courses. A student must earn a 2.20 cumulative grade point average at UNI; and earn an overall 2.20 grade point average in ACCT xxxx, MKTG xxxx, MGMT xxxx, FIN xxxx, and ECON xxxx courses taken at UNI. Students given permission to graduate out-of-residence must earn a 2.20 or better in all courses approved and accepted for out-of-residence credit.

The Marketing and Entrepreneurship Department may impose additional admission requirements for students wishing to declare a minor or a second College of Business major. Eligibility to declare a minor or a second College of Business major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNI*Business* Advising (CBB 5) in the College of Business.

Bachelor of Arts Degree Programs

Marketing Major

The Marketing major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required business core		
Business Administration, Interdepartmental:		
BUSINESS 1000	Introductory Seminar for Business Professionals	0
BUSINESS 2000	Business Professionals in Training	0
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
ACCT 2130	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management:		
MGMT 2080	Introduction to Information Systems	3
MGMT 3100	Legal and Social Environment of Business	3
MGMT 3154	Operations Management	3
MGMT 3965/5965	Organizational Behavior	3
MGMT 4175	Strategic Management	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Economics:		
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3
Mathematics:		
STAT 1772	Introduction to Statistical Methods	3
Required		
Marketing:		
MKTG 3113/5113	Consumer Behavior	3
MKTG 3116/5116	Marketing Analytics	3
MKTG 4170/5170	Marketing Strategy	3

Marketing emphasis area (select one emphasis area below)		**9**
Total Hours		**60**

Emphases

Advertising and Digital Media		
Required:		
MKTG 3143	Advertising and Promotion	3
MKTG 3146	Digital Advertising	3
Marketing elective - select one course from the following:		3
MKTG 3148	Digital Customer Experience	
ENTR 3583/5583	Entrepreneurship	
MKTG 4150	Advertising Campaign Development	
MKTG 4595	Internship-Marketing	
Sales Management		
Required:		
MKTG 3153	Professional Selling	3
MKTG 3154	Sales Management	3
Marketing elective - select one course from the following:		3
MKTG 3155	Business to Business Marketing	
MKTG 3156	Services Marketing	
MKTG 3166	Retail Management	
MKTG 3595	Value Based Pricing	
MKTG 4595	Internship-Marketing	
ENTR 3583/5583	Entrepreneurship	
Marketing Management		
Required:		
MKTG 3155	Business to Business Marketing	3
MKTG 3173	Product Management	3
Marketing elective - select one course form the following:		3
MKTG 3156	Services Marketing	
MKTG 3163	Distribution and Logistics	
MKTG 3166	Retail Management	
MKTG 3176/5176	Global Marketing	
MKTG 3178/5178	Global Trade Practices	
MKTG 3595	Value Based Pricing	
MKTG 4595	Internship-Marketing	
ENTR 3586/5586	Entrepreneurial Strategy	

Minors

Business Communication Minor

The Business Communication minor is interdisciplinary in nature and offered jointly by the College of Business and the College of Humanities, Arts and Sciences. It is under the jurisdiction of the Department of Marketing and the Department of Communication and Media. The minor requires a 12-hour core plus 9 hours from three emphases.

Required		
Communication:		
COMM 3155	Business and Professional Oral Communication	3
Communication or English:		3
COMM 2555	Interactive Digital Communication I	
or ENGLISH 2770	Introduction to Workplace Writing	
Communication or Management:		3
COMM 3055	Organizational Communication	
or MGMT 3153	Organizational Management	
Marketing:		
MKTG 2110	Principles of Marketing	3
Required: 3 hours from each of three emphases below:		9
Total Hours		**21**

EMPHASES

1. Applied Writing Skills

Select one course from the following:		3
ENGLISH:		
ENGLISH 4765/5765	Applied Writing: Workplace Communication	
ENGLISH 4770/5770	Applied Writing: Proposals and Grants	
ENGLISH 4775/5775	Applied Writing: Specialized Documents	

2. Communication Skills

Select one course from the following:		3
Communication and Media:		
COMM 4333/5333	Communication and Conflict Management	
COMM PR 1811	Principles of Public Relations	

3. Business and Professional Communication Contexts and Applications

Select one of the following:		3
Communication and Media:		
COMM 4134/5134	Organizational Cultures and Communication	
COMM PR 3844/584	Public Relations: Integrated Communications	
Marketing:		
MKTG 3143	Advertising and Promotion	
MKTG 3146	Digital Advertising	
MKTG 3153	Professional Selling	

Note: When declaring this minor students must:

- have a 2.50 cumulative GPA.
- have satisfactorily completed the Written and Oral requirements of the UNIFI/General Education program.

Available to all UNI majors.

Entrepreneurship Minor

The Entrepreneurship minor will be an extension of the already existing Entrepreneurship certificate. The purpose of the certificate is to engage students in active participation in the development of entrepreneurial enterprises. They will do this through a combination of traditional course work specifically directed to entrepreneurial ventures and participation in an entrepreneurial enterprise experience through the development of a business plan for a new venture and an experiential project. The minor will expand this goal by allowing students to learn entrepreneurship skills that specifically fit their major and career.

The minor will entail the same classes as the Entrepreneurship certificate (currently 15 hours) with the addition of one elective course from the Marketing Department and one elective course from the student's field of study.

A student can pursue the Entrepreneurship Minor or Entrepreneurship Certificate, but not both.

The full description with prerequisites and hours required are shown below:

Students must meet prerequisites before taking courses. A total cumulative or UNI cumulative GPA of 2.5 is required to declare this minor.

Required:		
ENTR 2010	Financials for the Entrepreneurial Enterprise	3
ECON 1031	Introduction to Business Economics *	3
MKTG 2110	Principles of Marketing	3
ENTR 3583/5583	Entrepreneurship	3
ENTR 3586/5586	Entrepreneurial Strategy	3
Required Marketing Elective, choose one from the following: **		3
MKTG 3113/5113	Consumer Behavior	
MKTG 3116/5116	Marketing Analytics	
MKTG 3143	Advertising and Promotion	
MKTG 3146	Digital Advertising	
MKTG 3153	Professional Selling	
MKTG 3154	Sales Management	
MKTG 3156	Services Marketing	
MKTG 3163	Distribution and Logistics	
MKTG 3166	Retail Management	
MKTG 3173	Product Management	
MKTG 3176/5176	Global Marketing	
MKTG 3178/5178	Global Trade Practices	
MKTG 3595	Value Based Pricing	
ENTR 4186 Studies in Entrepreneurship		
One course required within the student's declared major: **		3
ACCT 2130	Principles of Managerial Accounting	
ACCT 3130	Cost Accounting	
ACT SCI 3790	Introduction to Actuarial Science	
ANTH 3440/5440	Introduction to Museum Studies	
ART 2020	Ceramics I	
ART 2030	Graphic Design I	
ART 2050	Painting I	
ART 2060	Performance Art I	
ART 2070	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
ART 2090	Sculpture I	
ART 3011	Life Drawing	
ART 3020	Ceramics II	
ART 3022	Ceramics III	
ART 3030	Graphic Design II	
ART 3031	Graphic Design: Identity System Design	
ART 3032	Graphic Design: Digital Image Design	
ART 3033	Graphic Design: Typography	
ART 3034	Graphic Design: Publication Design	
ART 3035	Graphic Design: Motion Graphics	
ART 3036	Graphic Design: Web and Interactive Design	
ART 3037	Graphic Design: Book Structures	
ART 3038	Graphic Design: Portfolio Preparation	
ART 3055	Painting III	
ART 3060	Performance Art II	
ART 3066/5066	Performance Art III	
ART 3070	Creative Photography II	
ART 3077	Creative Photography III	
ART 3078	Color Photography	
ART 3080	Printmaking II: Applications	
ART 3088	Printmaking III: Directions	
ART 3090	Sculpture II	
ART 3099	Sculpture III	
ART 4010/5010	Professional Practices	
AT 3060	Athletic Training Administration and Professional Development	
COMM PR 3844/5844	Public Relations: Integrated Communications	
COMM PR 3855	Public Relations Writing	
COMM PR 3940	Advanced Applied Public Relations	
COMM PR 4855/5855	Public Relations Campaign Methods	
COMM 2455	Skills for Making Performance	
COMM 2555	Interactive Digital Communication I	
COMM 3155	Business and Professional Oral Communication	

COMM 3941	Advanced Applied Performance Studies
COMM 4116/5116	Health Communication
COMM 4155/5155	Organizational Communication Assessment
COMM 4556/5556	Interactive Digital Visualization
COMM DM 1620	Fundamentals of Journalism
COMM DM 1651	Digital Media Production I
COMM DM 1652	Writing for Digital Media
CRIM 2022	Criminal Justice System
CRIM 2112	White Collar Crime
CS 2420	Computer Architecture and Parallel Programming
CS 2530	Intermediate Computing
CS 2720	Software Engineering
CS 3120/5120	User Interface Design
CS 3140/5140	Database Systems
CS 3150/5150	Information Storage and Retrieval
CS 3430/5430	Operating Systems
CS 3470/5470	Networking
CS 3610/5610	Artificial Intelligence
CS 3650/5650	Computational Biology
CS 3730/5730	Project Management
CS 3750/5750	Software Verification and Validation
CS 4400/5400	System Administration
CS 4410/5410	System Security
CS 4620/5620	Intelligent Systems
CS 4740/5740	Real-Time Embedded Systems
CSD 3650	Clinical Processes
CSD 3900/5900	Aural Rehabilitation
CSD 4500	Clinical Practice
EARTHSCI 3250/5250	Measurement and Analysis of Air Quality
EARTHSCI 3345/534	Environmental Geology
EARTHSCI 3350/5350	Environmental Hydrology
EARTHSCI 3355/535	Hydrogeology
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology
ENGLISH 2770	Introduction to Workplace Writing
ENGLISH 4765/5765	Applied Writing: Workplace Communication
ENGLISH 4770/5770	Applied Writing: Proposals and Grants
ENGLISH 4775/5775	Applied Writing: Specialized Documents
ENGLISH 4780/5780	The Profession of Editing
ENGLISH 4785/5785	Applied Writing: Projects, Grants and Careers
FAM SERV 2060	Strategies and Issues in Family Services
FAM SERV 3176/5176	Consumer Behavior Across the Lifespan
FAM SERV 4190	Professional Practice in Family Services
FIN 3055	Insurance Company Operations
FIN 3110	Principles of Real Estate
FIN 3115	Real Estate Law and Brokerage
FIN 3120	Real Estate Appraisal and Investment
FIN 3135	Intermediate Financial Management
FIN 3160/5160	Principles of Investments
FIN 3170/5170	Commercial Bank Management
GEOG 3110	Economic Geography
GEOG 4120/5120	Demography and Population Geography
GERO 4170/5170	Long Term Care Administration
HIST 4020/5020	Introduction to Museum Studies
INTDSGN 2063	Computer Applications for Interior Design I
INTDSGN 3129	Interior Design Standards
INTDSGN 3164	Professional Practice of Interior Design
INTDSGN 3165	Professional Preparation in Interior Design
PH 3640/5640	Worksite Health Promotion
RTNL 3110	Management and Human Resources in Recreation, Tourism and Nonprofit Leadership
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership
RTNL 3337	Human Resource Development for Recreation, Tourism and Nonprofit Leadership
RTNL 3338	Planning Strategies in Nonprofit and Youth Agencies
RTNL 3774	Conferences, Expositions and Conventions in Tourism
RTNL 3777/5777	Special Events Management
RTNL 3778/5778	Community Based Tourism
RTNL 4210/5210	Nonprofit Leadership Practicum, Level II
RTNL 4320	Financial Resource Management in Recreation, Tourism and Nonprofit Leadership
RTNL 4621/5621	Camp Staff Development
RTNL 4625/5625	Camp Management Systems

RTNL 4776/5776	Eco, Adventure and Sport Tourism
RTNL 4997/5997	Administrative Practices in Therapeutic Recreation
MGMT 3153	Organizational Management
MIL SCI 3116	Platoon Operations
MIL SCI 3117	Applied Leadership in Platoon Operations
MIL SCI 3118	Mission Command and the Army Profession
MIL SCI 3119	Mission Command and the Company Grade Officer
KINES 2037	Applied Choreography
PHYSICS 4050/5050	Optical Science
PHYSICS 4290/5290	Project Lead The Way: Digital Electronics
PHYSICS 4300/5300	Introduction to Electronics
PHYSICS 4310/5310	Physical Computing
PHYSICS 4600/5600	Classical Mechanics
PHYSICS 4700/5700	Electrodynamics
PHYSICS 4750/5750	Physics of Modern Materials
PHYSICS 4800/5800	Quantum Mechanics
PHYSICS 4860/5860	Computational Physics
PHYSICS 4900/5900	Thermodynamics and Statistical Mechanics
POL AMER 3174	Management of Public Human Resources
PSYCH 2301	Applied Psychology
PSYCH 3304	Work Psychology: Well-Being
PSYCH 3305	Work Psychology: Performance
SOC 1000	Introduction to Sociology
SOC 3045/5045	Social Inequality
TECH 2119	Computer Applications in Technology
TECH 3113	Manufacturing Tooling
TECH 3131	Technical Project Management
TECH 3143	Managing Operations and Manufacturing Systems
TECH 4093/5093	Graphic Communications Estimating and Management I
TECH 4161	Digital Graphic Communications
TECH 4187	Applied Industrial Supervision and Management
TECH 4193	Graphic Communication Estimating and Management II
TECH CM 2000	Land, Route, and Construction Surveying
TECH CM 2100	Mechanical Systems in Construction
TECH CM 3000/5000	Civil Construction
TECH CM 3050	Construction Estimating
TECH CM 3100	Electrical Construction Materials and Methods
TEXDSGN 2005	Fashion Event Planning and Digital Marketing
TEXDSGN 2007	Apparel Assembly and Technical Design
TEXDSGN 2008	Computer Applications for the Textile and Apparel Industry
TEXDSGN 3009	Textile Structures & Sourcing
TEXDSGN 3010	Quality Assurance for Textile Materials
TEXDSGN 3012	Fashion Design: Flat Pattern and Draping
TEXDSGN 3013	Professional Development: Textile and Apparel
TEXDSGN 4016	Apparel Product Development
THEATRE 2040	Design Elements for Theatre
THEATRE 2060	Production Studies
THEATRE 2190	Stage Management
THEATRE 3050	Theatre Production
THEATRE 3155	Topics in Theatre Design and Production
THEATRE 3195/5195	Playwriting
THEATRE 3220	Design I: Theatrical Design Aesthetics
THEATRE 3230	Design II: Theatrical Design Process
THEATRE 3240	Design III: Theatrical Design Application
Total Hours	**21**

* ECON 1041 or ECON 1051 will substitute for ECON 1031.

** Some of the courses listed may require prerequisites prior to enrollment. Please consult with the UNI course catalog or appropriate department head to determine requirements for the courses.

Marketing Minor

Required		
Marketing:		
MKTG 2110	Principles of Marketing *	3
Economics:		
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
Marketing electives - select four courses from the following:		12
MKTG 3113/5113	Consumer Behavior	
MKTG 3143	Advertising and Promotion	
MKTG 3146	Digital Advertising	
MKTG 3148	Digital Customer Experience	
MKTG 3153	Professional Selling	
MKTG 3154	Sales Management	
MKTG 3156	Services Marketing	
MKTG 3163	Distribution and Logistics	
MKTG 3166	Retail Management	

MKTG 3173	Product Management	
MKTG 3176/5176	Global Marketing	
MKTG 3178/5178	Global Trade Practices	
ENTR 3583/5583	Entrepreneurship	
MKTG 3595	Value Based Pricing	
MKTG 4150	Advertising Campaign Development	
Business electives - select one course from the following:		3
Accounting:		
ACCT 2120	Principles of Financial Accounting	
Management:		
MGMT 3965/5965	Organizational Behavior	
Total Hours		**21**

* MKTG 2110 has prerequisite of either ECON 1031 or ECON 1041. ECON 1031 or ECON 1041 will satisfy the Quantitative Reasoning requirement of the UNIFI/General Education program.

This minor is not available to Marketing and Entrepreneurship majors.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Marketing or the Office of the Registrar, which serves as the centralized registry.

Certificate in Entrepreneurship

The Certificate in Entrepreneurship is open to **all** majors. A student can pursue the Entrepreneurship Minor or Entrepreneurship Certificate, but not both.

The purpose of the program is to engage students in active participation in the development of entrepreneurial enterprises. They will do this through a combination of traditional course work specifically directed to entrepreneurial ventures and participation in an entrepreneurial enterprise experience through the development of a business plan for a new venture and an experiential project.

For more information, students should contact UNI*Business* Advising, CBB 5. To enroll in this program students must declare their intent on a Declaration of Curriculum form. The form may be obtained in CBB 5.

Required

Marketing and Entrepreneurship:		
MKTG 2110	Principles of Marketing	3
ENTR 2010	Financials for the Entrepreneurial Enterprise	3
ENTR 3583/5583	Entrepreneurship	3
ENTR 3586/5586	Entrepreneurial Strategy	3
Economics:		
ECON 1031	Introduction to Business Economics **	3
Total Hours		**15**

* ECON 1041 and ECON 1051 will substitute for *ECON 1031*.

Graduate Certificate in Entrepreneurship

This certificate is available to any graduate student interested in entrepreneurial applications of their degree program.

Required:		
ENTR 3583/5583	Entrepreneurship	3
ENTR 3586/5586	Entrepreneurial Strategy	3
FIN 6266	Financial Management and Markets	3
ACCT 6030	Managerial Accounting	3
Select one additional 5000 or 6000 level MKTG or ENTR course (or from another department with department approval)		3
Total Hours		**15**

Certificate in Financial and Real Estate Sales for Business Majors

Required

Marketing:		
MKTG 3153	Professional Selling	3
MKTG 3154	Sales Management	3
Finance:		
FIN 3130/5130	Corporate Finance	3
Electives from the following:		**6**
Finance:		
FIN 3050	Risk Management and Insurance	
FIN 3110	Principles of Real Estate	
FIN 3160/5160	Principles of Investments	
Electives from the following:		**3**
Management:		
MGMT 3974/5974	Business, Ethics, and Society	
Communication and Media*:		
COMM 3155	Business and Professional Oral Communication	
COMM 4218	Persuasion	
Total Hours		**18**

* Prerequisite notes:
1) COMM 4218 has junior standing as a prerequisite.
2) COMM 3155 has COMM 1000 Oral Communication as a prerequisite. COMM 1000 will satisfy the Oral Communication requirement of the UNIFI/General Education program.
3) The remaining certificate courses are business courses (i.e., Marketing, Finance, and Management) and all prerequisites for all courses would be required to complete

as a business major for which this certificate is the intended audience.

Graduate Certificate in Global Marketing

This certificate is open to any graduate student but primarily of interest to MBA students desiring a specialty area. Courses need to be taken at the 5000/6000 level.

Required:		
MKTG 3176/5176	Global Marketing	3
MKTG 3178/5178	Global Trade Practices	3
MKTG 6170	Marketing Management	3
Select two from the following:		6
MGMT 6250	Business Strategy	
MGMT 3189/5189	International Management	
ECON 5249	Economic Development	
Total Hours		**15**

Department of Mathematics

(College of Humanities, Arts and Sciences)

www.uni.edu/math

The Department of Mathematics offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Mathematics section in the following order:

Undergraduate Majors (B.A.)

- Mathematics (p. 327)
- Mathematics-Statistics/Actuarial Science (p. 328)
- Mathematics-Teaching (p. 329)

Minors

- Data Science (p. 329) (also listed in Department of Computer Science and Department of Physics)
- Mathematics (p. 330)
- Mathematics-Teaching (p. 330)
- Mathematics (K-8)-Teaching (p. 331)
- Statistics and Actuarial Science (p. 331)

Graduate Majors (M.A.)

- Mathematics (p. 331):
  - Mathematics emphasis
  - Secondary Teaching emphasis
  - Community College Teaching emphasis
- Mathematics for the Elementary and Middle Grades (K-8) (p. 333)

Graduate Majors (P.S.M.)

- Industrial Mathematics (p. 333)

Program Certificate

- Statistical Computing (p. 334)

Notes:

1. A student majoring or minoring in mathematics, who has a grade point average of less than 2.25 in all departmental courses used for that major or minor may not apply a departmental course in which a grade of less than C- is earned to her/his major or minor.
2. Undergraduate students who have been admitted to the university provisionally because of non-satisfaction of the high school mathematics requirements may not enroll in any mathematics credit course before this requirement has been met.
3. Students who complete the requirements for more than one program (major or minor) within mathematics may have that noted on their transcripts.

Bachelor of Arts Degree Programs

Mathematics Major

The Mathematics major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Students are encouraged to discuss Undergraduate Research (MATH 4990) with their adviser.

Common core:		15
MATH 1420	Calculus I *	
MATH 1421	Calculus II	
MATH 2422	Calculus III	
MATH 2500	Linear Algebra for Applications	
Mathematics core:		16
MATH 2900	Discrete and Argumentative Mathematics	
MATH 4420/5420	Advanced Calculus I	
MATH 4421/5421	Advanced Calculus II	
MATH 4500/5500	Modern Algebra I	
MATH 4501/5501	Modern Algebra II	
MATH 4900	Senior Mathematics Seminar	
Probability/Statistics: select one of the following. MATH/STAT 3751 will not satisfy this requirement if a student has credit for STAT 1772.		3-6
MATH/STAT 3751	Probability and Statistics	
STAT 1772	Introduction to Statistical Methods	
and		
MATH/STAT 3752	Introduction to Probability	
STAT 1772 & STAT 3771/5771	Introduction to Statistical Methods and Applied Statistical Methods for Research	
Electives: Select two of the following. MATH/STAT 3752/5752 cannot be used if used for the Probability/Statistics requirement. Other junior/senior level mathematics courses may be substituted with approval of advisor and Department Head.		6
MATH 3410/5410	Dynamical Systems: Chaos Theory and Fractals	

MATH 3425/5425	Differential Equations	
MATH 3440/5440	Numerical Analysis *	
MATH 3530/5530	Combinatorics	
MATH 3600/5600	Euclidean Geometry	
MATH 3610/5610	Modern Geometries	
MATH 3630/5630	Differential Geometry	
MATH 3640/5640	History of Mathematics	
MATH/STAT 3752	Introduction to Probability	
MATH/ACT SCI 3780	Mathematics of Finance	
MATH 4460/5460	Introduction to Complex Analysis	
MATH 4510/5510	Elementary Number Theory	
MATH 4641/5641	Topology I	
Total Hours		**40-43**

* These courses have additional prerequisites as follows: MATH 1420 has prerequisite of a satisfactory score on a mathematics placement exam, or subsequent remediation. MATH 3440/5440 has prerequisite of CS 1130, CS 1160, or CS 1510.

Mathematics Major-Statistics/Actuarial Science

The Mathematics-Statistics/Actuarial Science major requires a minimum of 120 total hours to graduate. This total includes UNIFI/ General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The major is available in two emphases, the Statistics emphasis and the Actuarial Science emphasis. Each emphasis requires completion of the common core, the seminar/research requirement, the core for the chosen emphasis (Statistics or Actuarial Science), and 6 hours of electives that do not duplicate course work chosen to meet the chosen emphasis (Statistics or Actuarial Science) core requirement.

Required

Mathematics:		
Common core:		15
MATH 1420	Calculus I *	
MATH 1421	Calculus II	
MATH 2422	Calculus III	
MATH 2500	Linear Algebra for Applications	
Statistics/Actuarial Science core:		9
STAT 1772	Introduction to Statistical Methods	
or STAT 1774	Introductory Statistics for Life Sciences	
STAT 3775/5775	Introduction to Mathematical Statistics	
MATH/STAT 3752	Introduction to Probability	
Computer Programming:		3-4
Select one of the following:		
CS 1130	Visual BASIC Programming	
CS 1160	C/C++ Programming	
CS 1510	Introduction to Computing	
STAT 4772/5772	Statistical Computing I	
Seminar/research:		1-3
MATH 4900	Senior Mathematics Seminar	
or MATH 4990	Undergraduate Research in Mathematics	
Select and complete ONE of the following Emphasis Core:		9
Statistics Emphasis Core:		
Select three from the following:		
STAT 3771/5771	Applied Statistical Methods for Research	
STAT 3776/5776	Regression Analysis	
STAT 4773/5773	Design and Analysis of Experiments	
STAT 4779/5779	Applied Multivariate Statistical Analysis	
Actuarial Science Emphasis Core:		
Select three from the following:		
ACT SCI/MATH 3780	Mathematics of Finance	
ACT SCI 4735/5735	Actuarial Mathematics	
ACT SCI 4739/5739	Topics in Actuarial Science,Topics in Actuarial Science: Long-Term Actuarial Mathematics	
ACT SCI 4788/5788	Loss Models	
ACT SCI 4785/5785	Introduction to Financial Engineering	
Electives		**6**
Select two electives from the following list. The same course cannot be used to satisfy both the emphasis core and elective requirement.		
STAT 3771/5771	Applied Statistical Methods for Research	
STAT 3776/5776	Regression Analysis	
STAT 3778/5778	Spatial Data Analysis	
STAT 4772/5772	Statistical Computing I	
STAT 4773/5773	Design and Analysis of Experiments	
STAT 4777/5777	Statistical Quality Assurance Methods	
STAT 4779/5779	Applied Multivariate Statistical Analysis	
STAT 4782/5782	Statistical Computing II	
ACT SCI 3731	Actuarial Examination Preparation **	
ACT SCI 4735/5735	Actuarial Mathematics	
ACT SCI 4739/5739	Topics in Actuarial Science,Topics in Actuarial Science: Long-Term Actuarial Mathematics	
ACT SCI 4785/5785	Introduction to Financial Engineering	
ACT SCI 4788/5788	Loss Models	
MATH 3440/5440	Numerical Analysis	

MATH 3780/5780	Mathematics of Finance	
Total Hours		**43-46**

* MATH 1420 has prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.

** ACT SCI 3731 may be repeated for credit for preparation for different exams, however only 3 hours will count toward the Statistics/Actuarial Science major.

Mathematics Major-Teaching

The Mathematics-Teaching major requires a minimum of 122-123 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 122-123 hours.

This major leads to endorsement #143: 5-12 Mathematics.

Required		
Mathematics:		
Common core:		
MATH 1420	Calculus I *	4
MATH 1421	Calculus II	4
MATH 2422	Calculus III	4
MATH 2500	Linear Algebra for Applications	3
Teaching core:		
MATH 1310	Technology for Secondary Mathematics Teachers	3
MATH 2303	Introduction to Teaching Secondary Mathematics	3
MATH 2313	Topics in Secondary Mathematics	3
MATH 2900	Discrete and Argumentative Mathematics	3
MATH 3302	Field Experience in Teaching Secondary Mathematics	1
MATH 3304	The Teaching of Secondary Mathematics	3
MATH 3305	Connections: University Mathematics and the Secondary Curriculum	3
MATH 3600/5600	Euclidean Geometry	3
MATH 4500/5500	Modern Algebra I	3
Probability and Statistics:		3-6
Select one of the following. MATH 3751 / STAT 3751 will not satisfy this requirement if a student has credit for STAT 1772.		
MATH/STAT 3751	Probability and Statistics	
STAT 1772 & MATH 3752/5752	Introduction to Statistical Methods and Introduction to Probability	
STAT 1772 & STAT 3771/5771	Introduction to Statistical Methods and Applied Statistical Methods for Research	
Select two of the following:		6
MATH 3530/5530	Combinatorics	
MATH 3610/5610	Modern Geometries	
MATH 4420/5420	Advanced Calculus I	
MATH 4501/5501	Modern Algebra II	
MATH 4510/5510	Elementary Number Theory	
MATH 4615/5615	Geometric Transformations	
Computer Science:		3-4
Select one of the following:		
CS 1120	Media Computation	
CS 1130	Visual BASIC Programming	
CS 1160	C/C++ Programming	
CS ED 1320	Fundamentals of Programming	
CS 1510	Introduction to Computing	
Total Hours		**52-56**

* MATH 1420 has a prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.

Notes: For departmental approval to student teach, a student in the program must satisfy the University requirements to student teach and the following specific departmental requirements:

1) Must earn a C– or better in: MATH 1420, MATH 1421, MATH 2500, MATH 2900, MATH 3302, MATH 3600/5600, MATH 4500/5500, and courses taken to satisfy the Probability and Statistics and Computer Science requirements.

2) MATH 3302 is offered credit/no credit only effective Fall 2019 and beyond, and student must pass this course.

3) Must earn a grade of C or higher in: MATH 2303 and MATH 3304.

4) Must complete all of the courses in the major with a major grade point average of 2.50 or higher.

Minors

Data Science Minor

The Data Science minor is an interdisciplinary program that integrates computer programming, machine learning, statistics, predictive modeling and visualization to provide students with broad based skills for extracting gainful information from data that originate from a variety of sources. A final project (ideally with corporate or non-profit partnerships) will ensure that students employ their skills to solve a real-world problem.

Statistics:		
STAT 1772	Introduction to Statistical Methods	3
STAT 4784/5784	Introduction to Machine Learning	3
Computer Science:		
CS 1510	Introduction to Computing	4
CS 2150	Computing for Data Science	3-7
or		
CS 1520 & CS 1800	Data Structures and Discrete Structures	
CS 3140/5140	Database Systems	3
Physics:		

PHYSICS 4160/5160	Data Visualization, Modeling and Simulation	3
Required Data Science Project		2-3
CS 4800	Undergraduate Research in Computer Science	
or MATH 4990	Undergraduate Research in Mathematics	
or PHYSICS 3000	Undergraduate Research in Physics	
Total Hours		**21-26**

Mathematics Minor

Required		
Mathematics:		11
MATH 1420	Calculus I *	
MATH 1421	Calculus II	
MATH 2500	Linear Algebra for Applications	
Electives		**12**
Mathematics:		
ACT SCI 4739/5739	Topics in Actuarial Science,Topics in Actuarial Science: Long-Term Actuarial Mathematics	
MATH 2422	Calculus III	
MATH 2900	Discrete and Argumentative Mathematics	
MATH 3410/5410	Dynamical Systems: Chaos Theory and Fractals	
MATH 3425/5425	Differential Equations	
MATH 3430/5430	Partial Differential Equations	
MATH 3440/5440	Numerical Analysis	
MATH 3530/5530	Combinatorics	
MATH 3600/5600	Euclidean Geometry	
MATH 3610/5610	Modern Geometries	
MATH 3630/5630	Differential Geometry	
MATH 3640/5640	History of Mathematics	
MATH 3751	Probability and Statistics	
MATH/STAT 3752	Introduction to Probability	
MATH 4420/5420	Advanced Calculus I	
MATH 4421/5421	Advanced Calculus II	
MATH 4460/5460	Introduction to Complex Analysis	
MATH 4500/5500	Modern Algebra I	
MATH 4501/5501	Modern Algebra II	
MATH 4510/5510	Elementary Number Theory	
MATH 4615/5615	Geometric Transformations	
MATH 4641/5641	Topology I	
STAT 3775/5775	Introduction to Mathematical Statistics	
STAT 3776/5776	Regression Analysis	
STAT 4777/5777	Statistical Quality Assurance Methods	
STAT 4779/5779	Applied Multivariate Statistical Analysis	
Total Hours		**23**

* MATH 1420 has prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.

Mathematics Minor-Teaching

This minor leads to endorsement #143: 5-12 Mathematics.

Required		
Mathematics:		
MATH 1420	Calculus I *	4
MATH 1421	Calculus II	4
Select one of the following:		3
STAT 1772	Introduction to Statistical Methods	
STAT 1774	Introductory Statistics for Life Sciences	
MATH 3751	Probability and Statistics	
MATH 2303	Introduction to Teaching Secondary Mathematics	3
MATH 2500	Linear Algebra for Applications	3
MATH 2900	Discrete and Argumentative Mathematics	3
MATH 3600/5600	Euclidean Geometry	3
MATH 4500/5500	Modern Algebra I	3
MATH 3302	Field Experience in Teaching Secondary Mathematics	1
MATH 3304	The Teaching of Secondary Mathematics	3
Computer Science:		
Select one of the following:		3-4
CS 1120	Media Computation	
CS 1130	Visual BASIC Programming	
CS 1160	C/C++ Programming	
CS ED 1320	Fundamentals of Programming	
CS 1510	Introduction to Computing	
Total Hours		**33-34**

* MATH 1420 has prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.

Notes: For departmental approval to student teach, a student in the program must satisfy the University requirements to student teach and the following specific departmental requirements:

1) Must earn a C– or better in MATH 1420, MATH 1421, MATH 2500, MATH 2900, MATH 3302, MATH 3600, MATH 4500, and STAT 1772 or STAT 1774 or MATH 3751.

2) MATH 3302 is offered credit/no credit only effective Fall 2019 and beyond, and student must pass this course.

3) Must earn a grade of C or higher in MATH 2303 and MATH 3304.

4) Must complete all of the courses in the minor with a minor grade point average of 2.50 or higher

Mathematics Minor (K-8)-Teaching

This minor leads to endorsement #142: K-8 Mathematics.

Required		
Mathematics:		
MATH 1204	Mathematical Reasoning	3
MATH 2204	Mathematical Reasoning for Elementary Teachers II	3
MATH 3204	Mathematical Reasoning for Elementary Teachers III	3
MATH 3211	Algebra	3
MATH 3212	Introduction to Geometry and Measurement for Elementary Teachers	3
MATH 3213	Topics in Mathematics for Grades K-8	3
MATH 3214	Problem Solving in Mathematics for Elementary Teachers	3
Computer Science:		
CS ED 1310	Programming Environments for Elementary Education	3
Total Hours		**24**

Statistics and Actuarial Science Minor

Complete one of the following emphases		
Actuarial Science emphasis:		**14**
MATH 1420	Calculus I *	4
MATH 1421	Calculus II	4
ACT SCI/MATH 3780	Mathematics of Finance	3
MATH/STAT 3752	Introduction to Probability	3
Statistics emphasis		**12**
STAT 1772	Introduction to Statistical Methods	3
STAT 3771/5771	Applied Statistical Methods for Research	3
STAT 4772/5772	Statistical Computing I	3
STAT 4782/5782	Statistical Computing II	3
Electives		**9**
Select three courses from the following or from the emphasis not chosen:		
ACT SCI 3731	Actuarial Examination Preparation	3
ACT SCI 4785/5785	Introduction to Financial Engineering	3
ACT SCI 4735/5735	Actuarial Mathematics	3
ACT SCI 4788/5788	Loss Models	3
MATH 2422	Calculus III	4
MATH 2500	Linear Algebra for Applications	3
STAT 3775/5775	Introduction to Mathematical Statistics	3
STAT 3776/5776	Regression Analysis	3
STAT 3778/5778	Spatial Data Analysis	3
STAT 4773/5773	Design and Analysis of Experiments	3
STAT 4777/5777	Statistical Quality Assurance Methods	3
STAT 4779/5779	Applied Multivariate Statistical Analysis	3
Total hours		**21-24**

* MATH 1420 has a prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.

Master of Arts Degree Programs

Major in Mathematics

The major in Mathematics is available in three emphases: Mathematics, Secondary Teaching, and Community College Teaching.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The Mathematics emphasis is available on the **thesis** and **non-thesis** options. A **minimum of 36 hours** is required for the **thesis** option, including 6 hours of MATH 6299 and a **minimum of 15 additional hours of 6000-level course work.** A **minimum of 33 hours** is required for the **non-thesis** option, including a minimum of 3 hours of MATH 6299 and a **minimum of 15 additional hours of 6000-level course work.**

The Secondary Teaching emphasis is offered on a **non-thesis** option only; a **minimum of 30 hours,** including a **minimum of 18 hours of 6000-level course work** is required.

The Community College Teaching emphasis is offered on a **non-thesis** option only; **a minimum of 30 hours**, including a **minimum of 15 hours of 6000-level course work** is required.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Mathematics for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Courses taken to satisfy B.A. requirements may not be repeated to count toward the graduate program.

Successful completion of a final written comprehensive examination is required for the **non-thesis option on the Mathematics emphasis only**.

Mathematics Emphasis

Required		
Mathematics:		

MATH 3630/5630	Differential Geometry	3
or MATH 4615/5615	Geometric Transformations	
MATH 6420	Mathematical Analysis I	3
MATH 6460	Complex Analysis I	3
MATH 6500	Abstract Algebra I	3
Select at least two of the following:		6
MATH 6421	Mathematical Analysis II	
MATH 6461	Complex Analysis II	
MATH 6501	Abstract Algebra II	
Research:		3 or 6
MATH 6299	Research	
Thesis option (6 hours)		
Non-thesis option (3 hours)		
Electives		**12**
Mathematics:		
Select 12 hours from any of the courses listed above that were not used for the requirements there or from among the following:		
ACT SCI 4739/5739	Topics in Actuarial Science,Topics in Actuarial Science: Long-Term Actuarial Mathematics	
MATH 3425/5425	Differential Equations	
MATH 3430/5430	Partial Differential Equations	
MATH 3440/5440	Numerical Analysis	
MATH 3530/5530	Combinatorics	
MATH 3640/5640	History of Mathematics	
MATH/STAT 3752	Introduction to Probability	
MATH 4421/5421	Advanced Calculus II	
MATH 4460/5460	Introduction to Complex Analysis	
MATH 4501/5501	Modern Algebra II	
MATH 4641/5641	Topology I	
MATH 6510	Theory of Numbers	
MATH 6640	Topics in the History of Mathematics	
MATH 6650	Topics in Mathematical Logic and Set Theory	
MATH 6779	Topics in Probability and Statistics	
STAT 3775/5775	Introduction to Mathematical Statistics	
STAT 3776/5776	Regression Analysis	
STAT 4777/5777	Statistical Quality Assurance Methods	
STAT 4779/5779	Applied Multivariate Statistical Analysis	
Total hours thesis option		36
Total hours non-thesis option		33

Secondary Teaching Emphasis

The Secondary Teaching emphasis is designed for secondary school mathematics teachers interested in developing a deeper background in mathematics and pedagogy to enhance teaching and increase student learning.

Required		
Mathematics Education:		
MATH 6201	Foundations of Mathematics Education	3
MATH 6381	Current Research in Mathematics Education	3
MATH 6209	Mathematics Curriculum and Assessment	3
MATH 6225	Teaching and Learning Mathematics	3
MATH 6236	Equity and Mathematics Education	3
Mathematics:		
MATH 6371	Probability and Statistical Inference	3
MATH 6370	Applied Linear Statistical Methods	3
Select one course from the following:		
MATH 6212	Foundations of Algebraic Reasoning	3
or MATH 6504	Advanced Linear Algebra	
Select One Course from the Following:		
MATH 6215	Foundations of Geometric Reasoning	3
or MATH 6670	Non-Euclidean Geometry	
Select One Course from the Following:		
MATH 6410	Foundations of Calculus	3
or MATH 6205	Teaching Rational Numbers and Proportionality	
Total Hours		**30**

Community College Teaching Emphasis

The Community College Teaching emphasis is designed to serve those seeking to prepare for a career in community college teaching or working professionals in the field who are seeking career advancement.

Required:		
Mathematics Education:		
MATH 6201	Foundations of Mathematics Education	3
MATH 6381	Current Research in Mathematics Education	3
MATH 6225	Teaching and Learning Mathematics	3
MATH 6236	Equity and Mathematics Education	3
MATH 6209	Mathematics Curriculum and Assessment	3
Mathematics:		
MATH 6504	Advanced Linear Algebra	3
MATH 6370	Applied Linear Statistical Methods	3

MATH 6371	Probability and Statistical Inference	3
MATH 6410	Foundations of Calculus	3
MATH 6670	Non-Euclidean Geometry	3
Total Hours		**30**

Major in Mathematics for the Elementary and Middle Grades (K-8)

This major is intended for teachers interested in mathematics for the elementary and middle grades (K-8) and for mathematics specialists and supervisors. Teacher licensure is a prerequisite for completing the program approval process for this major. Normally, candidates will have at least 2 years teaching experience.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Mathematics for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **non-thesis** option only; a **minimum of 30 hours** is required. **A minimum of 15 hours of 6000-level course work is required.**

Required		
Mathematics Education:		
MATH 6201	Foundations of Mathematics Education	3
MATH 6205	Teaching Rational Numbers and Proportionality	3
MATH 6212	Foundations of Algebraic Reasoning	3
MATH 6215	Foundations of Geometric Reasoning	3
MATH 6381	Current Research in Mathematics Education	3
MATH 6227	Data Analysis, Probability, and Discrete Mathematical Reasoning	3
MATH 6225	Teaching and Learning Mathematics	3
MATH 6236	Equity and Mathematics Education	3
MATH 6216	Number and Operations	3
MATH 6209	Mathematics Curriculum and Assessment	3
Total Hours		**30**

Professional Science Master's Degree Program

Major in Industrial Mathematics

The Professional Science Master's Degree in Industrial Mathematics is designed to prepare students for a career in industry. The curriculum combines a business and experiential component with advanced course work.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Mathematics for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is a **non-thesis** program. A **minimum of 30 hours** is required. **A minimum of 12 hours of 6000-level course work is required.**

No comprehensive examination is required for this **non-thesis** option.

Requirements for admission to the program include the completion of a bachelor's degree with a GPA of 3.00 or higher and successful completion of the following university-level courses:

Prerequisite Courses:

MATH 1420	Calculus I	4
MATH 1421	Calculus II	4
MATH 2422	Calculus III	4
MATH 2500	Linear Algebra for Applications	3
STAT 1772	Introduction to Statistical Methods	3
One course in computer programming (or equivalent):		
CS 1130	Visual BASIC Programming	3
CS 1160	C/C++ Programming	3
CS 1510	Introduction to Computing	4

This major requires completion of 9 hours of the PSM Industrial Mathematics core, and 21 hours of electives.

Required Core:		
MATH 6745	Deterministic Operations Research	3
MATH 6747	Discrete-Event System Simulation	3
MATH 6796	PSM Capstone Project	3
Electives from the following:		**21**
Marketing:		
MKTG 4170/5170	Marketing Strategy	
or MKTG 6170	Marketing Management	
Management:		

MGMT 6250	Business Strategy
MGMT 6262	Cross-Functional Operations
Finance:	
FIN 3130/5130	Corporate Finance
FIN 3160/5160	Principles of Investments
FIN 6266	Financial Management and Markets
Technology:	
TECH 3024/5024	Solid Modeling and Additive Manufacturing for Design
TECH 3147	Computer Aided Manufacturing
Mathematics:	
ACT SCI/MATH 3780	Mathematics of Finance
ACT SCI 4735/5735	Actuarial Mathematics
ACT SCI 4739/5739	Topics in Actuarial Science,Topics in Actuarial Science: Long-Term Actuarial Mathematics
ACT SCI 4785/5785	Introduction to Financial Engineering
ACT SCI 4788/5788	Loss Models
MATH 3425/5425	Differential Equations
MATH 3430/5430	Partial Differential Equations
MATH 3440/5440	Numerical Analysis
MATH 3530/5530	Combinatorics
MATH 3630/5630	Differential Geometry
MATH/STAT 3752	Introduction to Probability
MATH 4460/5460	Introduction to Complex Analysis
MATH 6746	Probabilistic Operations Research
MATH 6748	Modeling Industrial Systems Using Queueing Networks
MATH 6779	Topics in Probability and Statistics
STAT 3771/5771	Applied Statistical Methods for Research
STAT 3775/5775	Introduction to Mathematical Statistics
STAT 3776/5776	Regression Analysis
STAT 3778/5778	Spatial Data Analysis
STAT 4772/5772	Statistical Computing I
STAT 4773/5773	Design and Analysis of Experiments
STAT 4777/5777	Statistical Quality Assurance Methods
STAT 4779/5779	Applied Multivariate Statistical Analysis
STAT 4782/5782	Statistical Computing II
STAT 6772	Advanced Statistical Methods
Computer Science:	
CS 3470/5470	Networking
CS 6400	Computer Systems
Physics:	
PHYSICS 6100	Modeling and Simulation of Physical Systems
Total Hours	30

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following certificates, contact the Department of Mathematics or the Office of the Registrar, which serves as the centralized registry.

Statistical Computing Certificate

Required:		
STAT 3771/5771	Applied Statistical Methods for Research	3
STAT 4772/5772	Statistical Computing I	3
STAT 4782/5782	Statistical Computing II	3
Electives: 6 hours from the following		6
STAT 3776/5776	Regression Analysis	
STAT 3778/5778	Spatial Data Analysis	
STAT 4773/5773	Design and Analysis of Experiments	
STAT 4779/5779	Applied Multivariate Statistical Analysis	
Any other courses with the consent of the mathematics department		
Total Hours		**15**

Department of Military Science

www.uni.edu/rotc

The Department of Military Science offers the following minor program. Specific requirements for this program are listed within this Department of Military Science section:

Minor

- Advanced Leadership Techniques (p. 335)

General-The Department of Military Science administers the Army Reserve Officers' Training Corps (ROTC) program at the University of Northern Iowa. Credits earned in the department count as general elective credits toward baccalaureate degree requirements or a minor in Advanced Leadership Techniques. The course of instruction is designed to be a four-year program. Students with prior military experience may be allowed to complete the program in two to three years. Students who desire to receive a commission as an officer in the U.S. Army will be required to contract with the Department of the Army during the final two years of the course. Contracted individuals will receive a monthly stipend and will incur a service obligation upon graduation.

The Four-Year Program-The ROTC program is divided into two parts: the Basic Course and the Advanced Course each lasting

two years. Students may be allowed to waive the Basic Course requirements with department head approval.

For a student to receive a commission, s(he) must receive credit for the Basic Course and is required to take the Advanced Course. An Advanced Leadership Techniques minor is offered and consists of the following requirements:

Advanced Leadership Techniques Minor

Required		
Military Science:		
MIL SCI 1091	Introduction to the Army and Critical Thinking *	1
MIL SCI 1092	Introduction to the Profession of Arms *	1
MIL SCI 1093	Leadership and Decision Making *	2
MIL SCI 1094	Army Doctrine and Team Development *	2
MIL SCI 3116	Platoon Operations	3
MIL SCI 3117	Applied Leadership in Platoon Operations	3
MIL SCI 3118	Mission Command and the Army Profession	3
MIL SCI 3119	Mission Command and the Company Grade Officer	3
Electives		**21**
Minimum of 3 hours selected from each of the following fields:		
Human Behavior, Military History, Computer Literacy, Management, Security Studies.		
Total Hours		**39**

* Requirement may be waived by the Department Head.

The Simultaneous Membership Program. The Simultaneous Membership Program (SMP) allows contracted cadets to be members of the Iowa National Guard or the Army Reserve and Army ROTC simultaneously.

ROTC SMP cadets are paid at the rate of a Sergeant (E-5) for their one weekend a month training assemblies, plus use of the New G.I. Bill educational assistance benefits. Many ROTC SMP cadets also qualify for the Student Loan Repayment Program or tuition assistance.

ROTC Scholarships. U.S. Army ROTC two-, three-, and four-year scholarships are available. They cover all tuition and required educational fees at UNI, and provide $600 per semester for textbooks, supplies, and equipment.

Army ROTC scholarships also provide a subsistence allowance for each school year that the scholarship is in effect. Winning and accepting an ROTC scholarship does not preclude accepting other academic or athletic scholarships.

For additional information about U.S. Army ROTC scholarships, write to the Department of Military Science, ATTN: Scholarship Officer, University of Northern Iowa, Cedar Falls, IA 50614-0142; come in person to 1400 W 19th St. Nielsen Field House (Room 273), UNI campus; or call the Scholarship Advisor at 319-273-6225. For further information see www.uni.edu/rotc.

G.I. Bill. Students participating in the Simultaneous Membership Program are entitled to the New G.I. Bill educational assistance benefits. Receiving the New G.I. Bill educational assistance benefits does not preclude a student from accepting an ROTC scholarship for the same period. Many students receiving the New G.I. Bill also qualify for the Student Loan Repayment Program.

Veterans. Veterans receive advanced placement credit for the entire Basic Course. Veterans receive an ROTC allowance in addition to their G.I. Bill benefits.

Special Schools. Both Basic and Advanced Course students can volunteer to attend special military schools such as Airborne School, Northern Warfare Training, or Air Assault Training.

Financial Assistance. As a minimum, all contracted cadets participating in Advanced Course ROTC will receive $500 per month for each month of school (for up to 10 months per year) as a tax-free allowance. Students on scholarship, participating in the Simultaneous Membership Program, and veterans, will earn additional compensations as enumerated above. Students attending special training, such as The Military Leadership Practicum, receive a travel allowance and are paid while receiving the training. Uniforms and books for all classes taught by the Military Science Department are furnished, and a tax-free uniform allowance is provided to all students who complete the Advanced Course.

Additional Information. Additional information about the specific courses offered by the Department of Military Science can be found in course descriptions under Military Science. For additional information, write to the University of Northern Iowa, Department of Military Science, Cedar Falls, IA 50614-0142; come in person to 1400 W 19th St. Nielsen Field House (Room 273), UNI campus; or call the student advisor at 319-273-6225. Please visit our Web site at www.c*sbs.uni.edu/militaryscience*.

School of Music

(College of Humanities, Arts and Sciences)

www.uni.edu/music

The School of Music offers the following undergraduate and graduate programs and graduate program certificates. Specific requirements for these programs are listed within this School of Music section in the following order:

Undergraduate Major (B.A.)

- Music (p. 337)

Minors

- Jazz Studies (p. 339)
- Music (p. 339)

Undergraduate Majors (B.M.)

- Composition-Theory (p. 339)
- Music Education (p. 340)
- Performance (p. 341)

Graduate Major (M.A.)

- Music (p. 343)

Graduate Majors (M.M.)

- Composition (p. 344)
- Conducting (p. 345)
- Jazz Pedagogy (p. 345)
- Music Education (p. 346)
- Music History (p. 347)
- Performance (p. 347)
- Piano Performance and Pedagogy (p. 348)

Program Certificates

- Artist Diploma I (p. 349)
- Artist Diploma II (p. 349)

The School of Music offers majors and minors under two baccalaureate degrees: the Bachelor of Arts and the Bachelor of Music.

The Music major under the Bachelor of Arts degree is a liberal arts program for the student interested in combining the discipline of music training with the breadth offered by a liberal arts curriculum. Six tracks are available to pursue within this degree program.

The Music Education major is a professional Bachelor of Music degree designed to prepare the student for a teaching career and provides licensure in music for grades K-8 and 5-12. The Composition-Theory and Performance majors are professional Bachelor of Music degrees designed to prepare the student for 1) a career as a composer or an artist-performer, or 2) entrance to graduate schools where further excellence in composition or in a performance area might be pursued.

General Requirements for Undergraduate Majors

Music majors on all degree programs must choose an area of applied music (MUS APPL xxxx) for specialization and must meet the proficiency standards of the School of Music. The total required applied hours indicated for each major must be completed on one of the specialization instruments or voice on which the student auditioned. Dividing the required applied hours among various instruments, or voice and instrument(s), will not satisfy the applied music portion of any of the degree programs.

Auditions: All music majors pursuing Bachelor of Music (B.M.) degree programs must pass a musical performance audition on the instrument/voice of the student's choice for admission to the School of Music. All music majors pursuing the Bachelor of Arts (B.A.) degree programs must pass a musical performance audition on the instrument/voice of the student's choice or submit a composition portfolio.

Piano Proficiency: Required of **all** majors. All freshmen will enroll in group piano class or applied piano continuously (semester by semester) until piano proficiency has been passed. For Music Education majors, requirements must be completed prior to student teaching.

Piano proficiency requirements for each of the degree programs:

BA*, all six tracks: Group Piano II (C- or better)*

BM Performance, both vocal and instrumental: Group Piano II (C- or better)

BM Education, Instrumental: Group Piano III (C or better) + Proficiency Exam Passed

BM Education, Vocal: Group Piano III (C or better) + Proficiency Exam Passed followed by 2 semesters of Applied Piano Beyond Proficiency: MUS APPL 2600

BM Composition Theory: Group Piano III (C or better) + Proficiency Exam Passed followed by 2 semesters of Applied Piano Beyond Proficiency: MUS APPL 2600

Vocal and Instrumental Competency: Required of all Music Education Majors. Instrumental students (Specialization B) will attend special sections of MUS ED 1100 Instrumental Techniques taught by instrumental faculty. Keyboard majors enrolling for Specialization A must also satisfy vocal proficiency as determined by the voice faculty.

Foreign Language: Bachelor of Music Performance Voice majors are required to complete one semester (5-6 hours total) at the college/university level in each of two foreign languages (selected from Italian, German, or French). Ten (10) semester hours of credit in a foreign language are strongly recommended for students whose applied concentration is voice (Music Education major) and for all non-voice majors on the Bachelor of Music Performance program.

Large Ensembles: In addition to applied music, all music majors must participate in at least one of the designated large ensembles for a minimum of 8 semesters (6 semesters for students in the music education program). Participation in large ensembles will be continuous from the first semester of residence until completion of the requirement. Participation in ensemble [MUS ENS 1120, MUS ENS 3120/5120] does not satisfy the large ensemble requirement. Auditions are required for all ensembles in the School of Music, and students will be assigned to ensembles according to audition results.

- Wind and percussion students will be assigned to an appropriate instrumental ensemble. All wind and percussion students who are pursuing the degree of Bachelor of Music in Music Education are required to participate in marching band for two semesters **on their primary instrument, and may only use marching band for large ensemble credit for two semesters**. (It is strongly recommended that this requirement be fulfilled during the freshman and sophomore years.) B.A. Music: Jazz Studies majors will be assigned to the appropriate large jazz ensemble (sections 02, 03, or 04).
- In the fall semester, participation in either Jazz Band I or II may satisfy the large ensemble requirement for students in select degree programs or those who have completed their respective marching band requirements. All students must meet audition requirements for the two above ensembles.
- String players will participate in the orchestra.

- The initial choral ensemble for all freshmen voice students will be either UNI Singers or Women's Chorus. Freshmen are limited to participation in only one vocal large ensemble. Students performing targeted roles in UNI Opera main stage productions are exempt from ensemble participation for four (4) weeks preceding the final performance of the production.
- Composition and Keyboard majors will audition for either an instrumental or a choral large ensemble. Keyboard majors in the music education program shall participate in an ensemble appropriate to their specialization.

Bachelor of Arts Degree Programs

Music Major

The Music major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

B.A. Core Curriculum (34 hours) - required of all B.A. tracks

Applied Music: [MUS APPL xxxx, excluding MUS APPL 1Nxx courses], including 2 hours of 3000/4000-level work in major area		12
Music Theory:		
MUS THEO 1110	Theory I	2
MUS THEO 1120	Theory II	2
MUS THEO 1150	Aural Training I	1
MUS THEO 1160	Aural Training II	1
MUS THEO 1250	Sight-Singing I	1
MUS THEO 1260	Sight-Singing II	1
MUS THEO 2130	Theory III	2
MUS THEO 2140	Theory IV *	2
MUS THEO 2170	Aural Training III	1
MUS THEO 2270	Sight-Singing III	1
Music History and Musicology:		
MUS HIST 1010	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020	History of Music II: Baroque and Classical	3
MUS HIST 1030	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
Total Hours		**34**

* The corequisites for MUS THEO 2140 [MUS THEO 2180 and MUS THEO 2280] are only required for students pursuing Track 1 General Studies in Music and students pursuing Track 6 Music History.

Additional requirements: senior recital (half recital) - (may take the form of a performance, composition, or an essay). Up to two credit hours of large ensemble, MUS ENS 3xxx, may be counted toward the 3000/4000-level music elective.

Tracks (choose 1, 2, 3, 4, 5, or 6 below)

1. **General Studies in Music** (12 hours beyond Core)

Required

B.A. Core		34
Applied Music: [MUS APPL xxxx, excluding MUS APPL 1Nxx courses], including 2 additional hours of 3000/4000-level work in major area		4
Music Theory:		
MUS THEO 2180	Aural Training IV	1
MUS THEO 2280	Sight-Singing IV	1
MUS THEO 3100	Analysis of Music	2
Electives *		4
Total Hours		**46**

* Electives in music (limited to 3000/4000-level courses in the following areas only: MUS TECH xxxx, MUS ED xxxx, MUS THEO xxxx, MUS HIST xxxx, MUS LIT xxxx. Students who choose composition as their concentration will elect MUS THEO 3250/5250.

2. **Jazz Studies** (15 hours beyond Core)

Required

B.A. Core (exclude MUS HIST 1010)		32
Jazz Ensembles		
MUS ENS 3160/5160	Jazz Band (must select Jazz Combo section)	2
Applied Improvisation: *		2
MUS APPL 3550/555	Jazz Improvisation	
Instrumental Jazz Improvisation: **		
MUS TECH 1500	Instrumental Jazz Improvisation - Theory	1
or MUS TECH 3500/	Instrumental Jazz Improvisation - Theory	
MUS TECH 1530	Instrumental Jazz Improvisation I	1
or MUS TECH 3530/5530	Instrumental Jazz Improvisation I	
MUS TECH 1550	Instrumental Jazz Improvisation II	1
or MUS TECH 3550/	Instrumental Jazz Improvisation II	
Jazz Arranging/Composition:		
MUS THEO 3270/5270	Jazz Arranging I	2
MUS THEO 3280/5280	Jazz Arranging II	2
MUS THEO 3320/5320	Jazz Composition Class	1
Jazz History:		
MUS HIST 3600/5600	Jazz History and Styles ***	3
Total Hours		**47**

* Upon completion of required hours of traditional applied music and the 3 hours of Instrumental Jazz Improvisation [MUS TECH 1500/MUS TECH 3500/5500, MUS TECH 1530/MUS TECH 3530/5530, MUS TECH 1550/MUS TECH 3550/5550], students must take two semesters of Applied Improvisation, any section, for 1 hour of credit per semester.

** Three sections, 1 hour each - Jazz Theory, Beginning Improvisation, Intermediate Improvisation

*** Substitution for MUS HIST 1010.

^ Clarifications regarding the Jazz Track:

Of the 8 semesters of required applied instruction, 6 must be applied classical lessons and 2 must be jazz lessons.
The BA recital for the Jazz Track will be a half Jazz Recital (1/2 hour).

Admission to this track is by special audition/interview only, in addition to the audition for all music majors.

3. String Pedagogy (19 hours beyond Core)

Required		
B.A. Core		34
Chamber Music:		
MUS ENS 3121/5121	Chamber Music	2
Applied Music *		4
Techniques (High and Low Strings):		
MUS ED 1100	Instrumental Techniques	2
Instrumental Pedagogy (String):		4
MUS ED 3380/5380	Instrumental Pedagogy (repeat, taking 2 sections)	
Methods:		
MUS ED 4161	Instrumental Methods: Strings **	1
Music Theory:		
MUS THEO 3100	Analysis of Music	2
Music Literature:		
MUS LIT 3200/5200	Performance Literature: _____ (Strings-06)	2
Internship:		
MUS ED 3030	Internship in String Pedagogy	2
Total Hours		**53**

* (including 2 hours of a secondary stringed instrument): MUS APPL xxxx.

** MUS ED 4161 has prerequisite of MUS ED 1500. Students pursuing Track 3 are not required to have the prerequisite MUS ED 1500.

Full Recital (must include at least one selection performed on secondary string instrument).

Admission to this track is by special audition/interview only, in addition to audition required of all music majors.

4. Performing Arts Management (20 hours beyond Core)

Required		
B.A. Core		34
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Marketing:		
MKTG 2110	Principles of Marketing	3
Management/Music Techniques:		
MGMT 3153	Organizational Management	3
MUS TECH 3130/5130	Arts Entrepreneurship I	3
MUS TECH 3140/5140	Arts Entrepreneurship II	3
MUS TECH 4130	Senior Project, Performing Arts Management	0
Music Education and Methods:		
MUS ED 3010	Performing Arts Management Internship	2
Economics:		
ECON 1031	Introduction to Business Economics	3
Total Hours		**54**

Interview required for admission to this program, in addition to the audition required of all music majors.

5. Music Technology (17 hours beyond Core)

Required		
B.A. Core		34
Communication and Media Production courses:		3
COMM DM 3950	Advanced Applied Digital Media	
Music Technology:		8
MUS THEO 3220/52	Music and Technology	
MUS THEO 3230/523	Music Technology, Advanced	
Composition (focus on electronic music):		2
MUS THEO 1300	Topics in Music Composition (electronic section)	
Internships (recording and sound engineering):		1
MUS ED 3020	Music Technology Internship	
Senior Project in Music Technology:		0
MUS THEO 4900	Senior Project, Music Technology	
Music Electives *		3
Total Hours		**51**

* * Electives in music (limited to 3000/4000-level courses in the following areas only: MUS TECH xxxx, MUS ED xxxx, MUS THEO xxxx, MUS HIST xxxx, MUS LIT xxxx. Students who choose composition as their concentration will elect MUS THEO 3250/5250.

Interview required for admission to this program, in addition to the audition required of all music majors.

6. Music History (18 hours beyond Core)

Required		
B.A. Core		34
Applied Music: [MUS APPL xxxx, excluding MUS APPL 1Nxx courses], including 2 additional hours of 3000/4000-level work in major area		4
Music Theory:		
MUS THEO 2180	Aural Training IV	1
MUS THEO 2280	Sight-Singing IV	1
MUS THEO 3100	Analysis of Music	2
Music History:		
MUS HIST 3200/5200	Topics in Music History and Culture	3

Music History elective (select one of the following):		3
MUS HIST 3200/5200	Topics in Music History and Culture (on different topic from above requirement)	
MUS HIST 3300/5300	History of Opera	
MUS HIST 3510/5510	Music of World Cultures	
MUS HIST 3600/5600	Jazz History and Styles	
MUS HIST 4194	Senior Thesis I	2
MUS HIST 4195	Senior Thesis II	2
Total Hours		**52**

* * The corequisites for MUS THEO 2140 [MUS THEO 2180 and MUS THEO 2280] are only required for students pursuing Track 1 General Studies in Music and students pursuing Track 6 Music History.

Minors

Jazz Studies Minor

Jazz Studies minors are not permitted to declare the Jazz Specialization C within the Music Education major.

Required

Music, Organizations and Ensembles: MUS ENS xxxx (Jazz Bands and Combos)		6
Applied Music [MUS APPL xxxx, excluding MUS APPL 1Nxx courses]		4
Music Techniques:		
MUS TECH 1500	Instrumental Jazz Improvisation - Theory	1
or MUS TECH 3500/5500	Instrumental Jazz Improvisation - Theory	
MUS TECH 1530	Instrumental Jazz Improvisation I	1
or MUS TECH 3530/5530	Instrumental Jazz Improvisation I	
MUS TECH 1550	Instrumental Jazz Improvisation II	1
or MUS TECH 3550/5550	Instrumental Jazz Improvisation II	
Music Theory:		
MUS THEO 3270/5270	Jazz Arranging I	2
MUS THEO 3280/5280	Jazz Arranging II	2
MUS THEO 3320/5320	Jazz Composition Class	1
Music History and Musicology:		
MUS HIST 3600/5600	Jazz History and Styles	3
Total Hours		**21**

Departmental audition requirements apply to this minor.

Music Minor

Required

Music:		
MUSIC 1100	Soundscapes: Music in Culture	3
Music, Organizations and Ensembles (MUS ENS xxxx):		2
Applied Music [MUS APPL xxxx, excluding MUS APPL 1Nxx courses]		4
Music Theory:		
MUS THEO 1110	Theory I	2
MUS THEO 1120	Theory II	2
MUS THEO 1150	Aural Training I	1
MUS THEO 1160	Aural Training II	1
MUS THEO 1250	Sight-Singing I	1
MUS THEO 1260	Sight-Singing II	1
Electives in music: (MUS TECH xxxx, MUS ED xxxx, MUS THEO xxxx, MUS HIST xxxx, MUS LIT xxxx)		7
Total Hours		**24**

Departmental audition requirements apply to this minor.

Bachelor of Music Degree Programs

Composition-Theory Major

The B.M. Composition-Theory major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements to complete the minimum of 120 hours.

Required

Music Theory/Applied Music:		
Composition Class:		
MUS THEO 1300	Topics in Music Composition	2
Music and Technology:		
MUS THEO 3220/5220	Music and Technology	4
Applied Composition:		
MUS APPL 1540	Composition	4
MUS APPL 3540/5540	Composition	12
Music, Organizations and ensembles [MUS ENS xxxx]		8
Applied Music: Applied Piano: *		
MUS APPL 2600	Applied Piano Beyond Proficiency	2
Music Techniques:		6
MUS TECH 1500/3500	Instrumental Jazz Improvisation - Theory	
Select one of the following:		
MUS TECH 1170	Conducting I--Instrumental	
or MUS TECH 1180	Conducting I--Choral	
MUS TECH 1210	Conducting II--Instrumental	
or MUS TECH 1220	Conducting II--Choral	
Music Theory:		
MUS THEO 1110	Theory I	2
MUS THEO 1120	Theory II	2
MUS THEO 1150	Aural Training I	1
MUS THEO 1160	Aural Training II	1
MUS THEO 1250	Sight-Singing I	1
MUS THEO 1260	Sight-Singing II	1
MUS THEO 2130	Theory III	2
MUS THEO 2140	Theory IV	2
MUS THEO 2170	Aural Training III	1
MUS THEO 2180	Aural Training IV	1

MUS THEO 2270	Sight-Singing III	1
MUS THEO 2280	Sight-Singing IV	1
MUS THEO 3100	Analysis of Music	2
MUS THEO 3250/5250	Counterpoint Survey	3
MUS THEO 3260/5260	Orchestration	3
Music History and Musicology:		
MUS HIST 1010	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020	History of Music II: Baroque and Classical	3
MUS HIST 1030	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
Select one of the following:		3
MUS HIST 3xxx		
MUS LIT 3xxx		
Electives in music: (3000/4000-level)		6
The following jazz courses are recommended:		
MUS THEO 3270/5270	Jazz Arranging I	
MUS THEO 3280/5280	Jazz Arranging II	
MUS THEO 3320/5320	Jazz Composition Class	
Total Hours		**79**

* Taken beyond MUS APPL 1467

Additional requirements:

1. Senior Project: In the last semester before graduation, the student must have completed a large work for orchestra or wind symphony (or some other option with the consent of the composition faculty). The work will be given a reading, the date of which is to be determined by the director of the ensemble. The director shall also dictate the date of delivery for the score and parts. The student will prepare the score and parts using an industry standard computer notation/printing program such as Finale or Sibelius.
2. Majors are expected to present regular performances of their pieces on the Student Composers Concert series (minimum of five performances).
3. Majors must have a grade of B or better in Analysis MUS THEO 3100 before they can take Counterpoint Survey MUS THEO 3250/5250 .
4. Senior recital (full recital).

Music Education Major *(Extended Program)*

The B.M. Music Education major requires a minimum of 132 total hours for Specialization A, minimum of 133 total hours for Specialization B, and a minimum of 143 total hours for Specialization C to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the specified major requirements to complete the minimum of 132, 133 or 143 hours (depending on specialization).

This major leads to endorsement #144: K-8 Music and #145: 5-12 Music.

Required

Music, Organizations and Ensembles (MUS ENS xxxx)		6
Applied Music [MUS APPL xxxx, excluding MUS APPL 1Nxx courses] see specializations below:		
Music Education and Methods:		
MUS ED 1500	Introduction to Music Education	2
MUS ED 3410	Elementary/General Music Methods	3
Music Theory:		
MUS THEO 1110	Theory I	2
MUS THEO 1120	Theory II	2
MUS THEO 1150	Aural Training I	1
MUS THEO 1160	Aural Training II	1
MUS THEO 1250	Sight-Singing I	1
MUS THEO 1260	Sight-Singing II	1
MUS THEO 2130	Theory III	2
MUS THEO 2140	Theory IV	2
MUS THEO 2170	Aural Training III	1
MUS THEO 2180	Aural Training IV	1
MUS THEO 2270	Sight-Singing III	1
MUS THEO 2280	Sight-Singing IV	1
MUS THEO 3100	Analysis of Music	2
Music History and Musicology:		
MUS HIST 1010	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020	History of Music II: Baroque and Classical	3
MUS HIST 1030	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
Core total applicable to all specializations below		**37**
Major total with Specialization A		**66**
Major total with Specialization B		**67**
Major total with Specialization C		**77**

Specializations (choose A, B, or C below)-

Specialization A (Choral/General: K-8, 5-12)

Applied Music: [MUS APPL xxxx, excluding MUS APPL 1Nxx courses], including at least 4 hours of 3000/4000-level work in major area:		12
Applied Music: Applied Piano: *		
MUS APPL 2600	Applied Piano Beyond Proficiency	2
Music Techniques:		
MUS TECH 1180	Conducting I--Choral	2
MUS TECH 1220	Conducting II--Choral	3
MUS TECH 1300	Diction for Singers I	1
MUS TECH 1310	Diction for Singers II	1
MUS ED 3680	Instrumental Methods for Choral Majors	1
MUS ED 1750	Guitar in the Classroom	2
MUS ED 3300/5300	Vocal Pedagogy and Vocology	2
MUS ED 3650	Choral Methods and Materials	2

MUS ED 3660	Field Experience in Music Education	1
Total Hours		**29**

* Taken beyond MUS APPL 1467.

Specialization B (Instrumental/General: K-8, 5-12)

Applied Music [MUS APPL xxxx, excluding MUS APPL 1Nxx courses], including at least 4 hours of 3000/4000-level work in major area		14
Music Techniques:		
MUS TECH 1170	Conducting I--Instrumental	2
MUS TECH 1210	Conducting II--Instrumental	3
MUS ED 1100	Instrumental Techniques *	6
MUS ED 3640	Instrumental Methods: Jazz Band	1
MUS ED 3660	Field Experience in Music Education	1
MUS ED 3670	Choral Methods for Instrumental Majors	1
MUS ED 4161	Instrumental Methods: Strings	1
MUS ED 4162	Instrumental Methods: Marching Band	1
Total Hours		**30**

* 6 hours, including Woodwinds I, Woodwinds II, Percussion, 1 brass (high or low), 1 strings (high or low), and 1 additional Instrumental Techniques class. Music Education majors focusing on strings should select both high and low strings; Music Education majors focusing on other instruments should select both high and low brass techniques.

Specialization C (Jazz/General: K-8, 5-12)

Applied Music [MUS APPL xxxx, excluding MUS APPL 1Nxx courses], including at least 4 hours of 3000/4000-level work in major area:		14
Music Techniques:		8
MUS TECH 1170	Conducting I--Instrumental	
MUS TECH 1210	Conducting II--Instrumental	
MUS TECH 1500	Instrumental Jazz Improvisation - Theory	
or MUS TECH 3500/5500	Instrumental Jazz Improvisation - Theory	
MUS TECH 1530	Instrumental Jazz Improvisation I	
or MUS TECH 3530/5530	Instrumental Jazz Improvisation I	
MUS TECH 1550	Instrumental Jazz Improvisation II	
or MUS TECH 3550/5550	Instrumental Jazz Improvisation II	
MUS ED 3670	Choral Methods for Instrumental Majors	1
MUS ED 1100	Instrumental Techniques *	6
MUS ED 3640	Instrumental Methods: Jazz Band	1
MUS ED 3660	Field Experience in Music Education	1
MUS ED 4161	Instrumental Methods: Strings	1
MUS ED 4162	Instrumental Methods: Marching Band	1
Music Theory:		
MUS THEO 3270/5270	Jazz Arranging I	2
MUS THEO 3280/5280	Jazz Arranging II	2
Music History and Musicology:		
MUS HIST 3600/5600	Jazz History and Styles	3
Total Hours		**40**

* 6 hours, including Woodwinds I, Woodwinds II, Percussion, 1 brass (high or low), 1 strings (high or low), and 1 additional Instrumental Techniques class. Music Education majors focusing on strings should select both high and low strings; Music Education majors focusing on other instruments should select both high and low brass techniques.

Note: Music Education majors will meet the requirements of MEASRES 3150 Classroom Assessment (Professional Education Requirements), by completing MUS ED 3410 (all majors), and MUS ED 3640, MUS ED 4161, and MUS ED 4162(instrumental and jazz majors), ; **or** MUS ED 3650 (Choral/General majors). They will meet the requirements of LRNTECH 1020 Secondary Educational Technology and Design by completing MUS ED 1500 Introduction to Music Education. These options remain valid only for those students who complete their undergraduate degrees in music education.

Additional Major Requirements:

1. For all specializations: degree recital (half recital), which must be completed prior to student teaching.
2. For specialization C (Jazz): two (2) semesters of jazz combo are required in addition to the large ensemble requirement (6 hours) of orchestra, chorus or band.
3. For all specializations: students must have a minimum grade of C in all music subjects and pass the degree recital in order to qualify for student teaching.
4. Large ensemble requirements for guitar majors can be fulfilled by participation in either Jazz I, II, III, or IV, or a jazz combo.

Note: Students declaring the Jazz Specialization C cannot double major in Instrumental Specialization B within the Music Education Major.

Performance Major

The B.M. Performance major requires a minimum of 121 total hours to graduate for Track A (Instrumental) and 127 hours to graduate for Track B (Vocal). This total includes UNIFI/General Education requirements and the following specified major requirements to complete the minimum of 121 hours (Track A) and 127 hours (Track B).

Track A (Instrumental)

Required

Music, Organizations and Ensembles (MUS ENS xxxx): 2 hrs must be chamber music: MUS ENS 1120/3120 or MUS ENS 1121/3121.		10
Applied Music [MUS APPL xxxx, excluding MUS APPL 1Nxx courses], including at least 12 hours of 3000/4000-level work in the major area:		22
Music Techniques:		
MUS TECH 1170	Conducting I--Instrumental	2
MUS TECH 1210	Conducting II--Instrumental	3
Music Pedagogy:		
Select one of the following:		2
MUS ED 3380/5380	Instrumental Pedagogy (instrumental majors) *	
MUS ED 3480/5480	Piano Pedagogy: Elementary (keyboard majors)	
Music Theory:		
MUS THEO 1110	Theory I	2
MUS THEO 1120	Theory II	2
MUS THEO 1150	Aural Training I	1
MUS THEO 1160	Aural Training II	1
MUS THEO 1250	Sight-Singing I	1
MUS THEO 1260	Sight-Singing II	1
MUS THEO 2130	Theory III	2
MUS THEO 2140	Theory IV	2
MUS THEO 2170	Aural Training III	1
MUS THEO 2180	Aural Training IV	1
MUS THEO 2270	Sight-Singing III	1
MUS THEO 2280	Sight-Singing IV	1
MUS THEO 3100	Analysis of Music	2
MUS THEO 3xxx/4xxx		3
Music History and Musicology/Performance Literature and Repertory:		
MUS HIST 1010	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020	History of Music II: Baroque and Classical	3
MUS HIST 1030	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
MUS LIT 3200/5200	Performance Literature: _____	2
MUS HIST 3xxx/4xxx		3
Electives: MUS APPL xxxx, excluding MUS APPL 1Nxx courses, maximum of 4 hrs., MUS TECH xxxx, MUS ED xxxx, MUS THEO xxxx, MUS HIST xxxx, MUS LIT xxxx only		7
Total Hours		**80**

* MUS ED 3380/5380 has prerequisite of MUS ED 1100 or teaching experience.

Track B (Vocal)

Required

Music, Organizations and Ensembles [MUS ENS xxxx]: **		8
Applied Music [MUS APPL xxxx, excluding MUS APPL 1Nxx courses], including at least 12 hours of 3000/4000-level work in the major area:		22
Music Techniques:		
MUS TECH 1180	Conducting I--Choral	2
MUS TECH 1300	Diction for Singers I	1
MUS TECH 1310	Diction for Singers II	1
MUS TECH 1600	Opera Performance I	1
MUS TECH 3610/5610	Opera Performance II	2
MUS TECH 1450 or MUS TECH 3450/	Vocal Coaching Vocal Coaching	2
Music Pedagogy:		
MUS ED 3300/5300	Vocal Pedagogy and Vocology	2
Music Theory:		
MUS THEO 1110	Theory I	2
MUS THEO 1120	Theory II	2
MUS THEO 1150	Aural Training I	1
MUS THEO 1160	Aural Training II	1
MUS THEO 1250	Sight-Singing I	1
MUS THEO 1260	Sight-Singing II	1
MUS THEO 2130	Theory III	2
MUS THEO 2140	Theory IV	2
MUS THEO 2170	Aural Training III	1
MUS THEO 2180	Aural Training IV	1
MUS THEO 2270	Sight-Singing III	1
MUS THEO 2280	Sight-Singing IV	1
MUS THEO 3100	Analysis of Music	2
Music History and Musicology/Performance Literature and Repertory:		
MUS HIST 1010	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020	History of Music II: Baroque and Classical	3
MUS HIST 1030	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
MUS LIT 3200/5200	Performance Literature: _____	2
MUS HIST 3xxx/4xxx and/or MUS LIT 3xxx/4xxx		3
Electives: MUS APPL xxxx, excluding MUS APPL 1Nxx courses, maximum of 4 hrs., MUS TECH xxxx, MUS ED xxxx, MUS THEO xxxx, MUS HIST xxxx, MUS LIT xxxx only		8
Total Hours		**80**

** Vocal Performance majors will take 6 semesters of choral ensembles and 2 semesters of opera.

Additional Requirements (both tracks):

1. Junior recital (half recital).
2. Senior recital (full recital).
3. Voice majors are required to complete one semester of college level study (5-6 credit hours total) in two languages other than English (selected from German, French, and Italian), and are strongly recommended to take MUS LIT 3200/5200 Performance Literature for Voice II.

Note: Performance majors who desire teaching licensure can complete the music methods requirements under the Music Education major and the Professional Education Requirements.

Master of Arts Degree Program

Major in Music

*Students wishing to take a course for graduate credit in the School of Music, or wishing to pursue a degree program in this department, must consult with the **Graduate Coordinator** prior to registration for any course. Detailed information concerning requirements and procedures will be provided, and specified evidence of previous accomplishments will be reviewed.*

The Graduate Record Examination (General Test) **is not** required for admission to the program.

The M.A. Major in Music involves a course of study comprising a minimum of specialization in an applied area and a maximum of curricular flexibility. (Master of Music majors are listed immediately following the M.A. in Music.)

An applicant for a graduate degree program in the School of Music should possess the baccalaureate degree in music or a demonstrated equivalent. The student should have attained a high degree of proficiency in one or more of the following areas: performance, theory-composition, music education, or music history. Applicants must audition in person in their applied specialization (an audio recording would be accepted if the in-person audition would pose undue hardship).

A prospective major must take a written diagnostic examination in the areas of theory, music history, and expository writing skills. This examination normally is taken immediately prior to initial registration as a graduate student. If necessary, a student will take courses to make up any deficiency; such courses will not count toward degree requirements.

Students who plan to receive the degree Master of Arts (M.A.) must meet the graduate regulations and requirements for the master's program and the specific major requirements.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

Program Requirements

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options, and requires a **minimum of 30 semester hours**. Students selecting the non-thesis option will write a research paper. **A minimum of 15 hours of 6000-level course work is required for the thesis option, including 6 hours of ____ 6299 Research. A minimum of 12 hours of 6000-level course work is required for the non-thesis option, including 3 hours of ____:6299 Research and 3 hours of 6000-level electives [course prefix for 6299 Research: MUSIC, MUS ED, MUS HIST, MUS LIT, MUS TECH, MUS THEO].**

Successful completion of a final comprehensive written examination is required for both **thesis** and **non-thesis** options. This examination normally will take place after the candidate has completed the course work required for the degree. **The grade B- or above is required for all courses in the Graduate Music Core.** Under extenuating circumstances, exceptions to this policy must be approved by the instructor of record, the Graduate Coordinator and the Director of the School of Music. For discussion of credit for applied music under the M.A. degree, see course descriptions Music, Applied. For more information visit *www.uni.edu/music*.

Graduate Music Core		
Music Theory:		
MUS THEO 6000	Foundations of Musical Analysis	3
MUS THEO 5200	Topics in Music Theory and Analysis	3
Music History and Musicology:		
MUS HIST 6000	Foundations of Musicology	3
MUS HIST 3200/5200	Topics in Music History and Culture	3
Specialization: Applied Music:		**4**
MUS APPL 5xxx		
Research:		3 or 6
(6 hours of ___6299 Research for thesis option *		
(3 hours of ____ 6299 Research for non-thesis option *		
Electives: music (all areas except applied music)		**8**
Other electives as approved by the department		**0 or 3**
Thesis option - 0 hrs		
Non-thesis option - 3 hrs		
Total hours		30

* **____:6299 Research [course prefix MUSIC, MUS ED, MUS HIST, MUS LIT, MUS TECH, MUS THEO.]**

Master of Music Degree Programs

*Students wishing to take a course for graduate credit in the School of Music or wishing to pursue a degree program in this department must consult with the **Associate Director for Graduate Studies in Music** prior to registration for the course. Detailed information concerning requirements and procedures will be provided, and specific evidence of previous accomplishments will be reviewed.*

The Master of Music degree is a professional degree designed to prepare the graduate for:

1. enhanced opportunity in public and private school music teaching
2. a college teaching career
3. a performance career as a professional musician or composer
4. further graduate work at the doctoral level. The following majors are offered:

- Composition
- Conducting
- Jazz Pedagogy
- Music Education
- Music History
- Performance
- Piano Performance and Pedagogy

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

An applicant for a graduate degree program in the School of Music should possess the baccalaureate degree in music or a demonstrated equivalent. The student should have attained a high degree of proficiency in one or more of the following areas: performance, theory-composition, conducting, music education, or music history. In addition to the common regulations and requirements applicable to all master's degree programs, the following are required for admission to the specific major:

Composition majors: portfolio and, if possible, recordings of compositions.

Conducting majors: in-person audition and interview with at least two members of the Graduate Conducting faculty. It is also recommended the applicant have two years of conducting experience beyond the baccalaureate degree. A DVD or digital video file recording may be submitted in lieu of the in-person audition, but may not satisfy the audition requirement. Recordings should be of high quality and show the applicant in rehearsal situations, though performance recordings may also be included. Video recordings should include two or three works of varying styles, and be taken so as to clearly indicate the conductor's facial and other physical gestures.

Jazz Pedagogy: in-person audition and interview.

Music Education majors: in-person or telephone interview with a member of the Graduate Music Education faculty.

Music History majors: scholarly paper.

Performance majors and Piano Performance and Pedagogy majors: in-person audition (a recording would be accepted if the in-person audition would pose undue hardship).

A prospective major must take a written diagnostic examination in the areas of theory, music history, expository writing skills, and in the area of claimed competency, if different from the above (e.g., piano, brass, or woodwind instruments). This examination normally is taken immediately prior to initial registration as a graduate student. If a student is required to take remedial courses to make up any deficiency in preparatory work, those courses will not be counted toward degree requirements.

The Graduate Record Examination (General Test) **is not** required for admission to the Master of Music programs.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

A minimum of 15 semester hours of 6000-level course work is required of all majors enrolled for the thesis/recital option. Students completing the thesis option (not a recital and abstract) must have 6-9 semester hours of ____ 6299 Research. A minimum of 12 semester hours of 6000-level course work is required of all majors enrolled for the non-thesis option [course prefix MUSIC, MUS ED, MUS HIST, MUS LIT, MUS TECH, MUS THEO].

Successful completion of an oral and written comprehensive examination is required of all students in this degree program. This examination normally will take place after the candidate has completed the course work required for the degree. **The grade B- or above is required for all courses in the Graduate Music Core as well as all core courses in the specific degree plans.** Under extenuating circumstances, exceptions to this policy must be approved by the instructor of record, the Graduate Coordinator and the Director of the School of Music. For more information go to *www.uni.edu/music*.

Students who plan to receive the degree Master of Music (M.M.) must meet the graduate regulations and requirements for the master's program and the specific major requirements.

Major in Composition

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

This major is offered on the **thesis/recital** option only, and requires a **minimum of 35 semester hours**. **A minimum of 15 semester hours of 6000-level course work is required.**

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required		
Graduate Music Core:		
Music Theory:		
MUS THEO 6000	Foundations of Musical Analysis	3
MUS THEO 5200	Topics in Music Theory and Analysis	3
Music History and Musicology:		
MUS HIST 6000	Foundations of Musicology	3
MUS HIST 3200/5200	Topics in Music History and Culture	3
Specialization		
Applied Music:		

MUS APPL 6540	Composition	12
Music Electives: primarily in the areas of music literature and theory:		11
Recital:		
MUS APPL 6880	Graduate Recital	0
Total Hours		**35**

Additional Requirements:

1. Performance recital of candidate-generated compositions.
2. Recital abstract.

Major in Conducting

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

This major is offered on the **thesis/recital** option only, and requires a **minimum of 36 semester hours**. **A minimum of 15 semester hours of 6000-level course work is required.**

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required		
Graduate Music Core:		
Music Theory:		
MUS THEO 6000	Foundations of Musical Analysis	3
MUS THEO 5200	Topics in Music Theory and Analysis	3
Music History and Musicology:		
MUS HIST 6000	Foundations of Musicology	3
MUS HIST 3200/5200	Topics in Music History and Culture	3
Specialization:		
Music Organizations and Ensembles: MUS ENS 5xxx *		4
MUSIC 6299	Research	2
Applied Music:		12
Select one of the following:		
MUS APPL 6210	Instrumental Conducting	
MUS APPL 6220	Choral Conducting	
Performance Literature and Repertory:		
Select one of the following:		3
MUS LIT 3310/5310	History and Literature of Large Choral Forms	
MUS LIT 3400/5400	History and Literature of the Orchestra	
MUS LIT 3420/5420	History and Literature of the Wind Band	
Music Electives: as approved by advisor:		**3**
Recital:		
MUS APPL 6880	Graduate Recital	0
Total Hours		**36**

* Only one hour of ensemble per semester will count toward degree requirements. Large ensemble placement will be determined by audition.

Additional requirements:

1. Two consecutive semesters (fall/spring) of residency with full time status (minimum of 9 graduate hours per semester).
2. Conducting recital.
3. Recital abstract.
4. Conducting document (research paper). Students must register for Research in the semester that they prepare the conducting document.
5. Score reading proficiency examination.
6. Students must be resident with full time status and are required to enroll in applied music in their performance area during the semester that they present their required recital.
7. Specialty comprehensive examination.

Major in Jazz Pedagogy

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

This major is offered on the thesis/recital option only, and requires a minimum of 36 semester hours. A minimum of 15 semester hours of 6000-level course work is required, **including 5 hours of music electives at the 6000-level.**

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required		
Graduate Music Core:		
Music Theory:		
MUS THEO 6000	Foundations of Musical Analysis	3
MUS THEO 5200	Topics in Music Theory and Analysis	3
Music History and Musicology:		
MUS HIST 6000	Foundations of Musicology	3
MUS HIST 3200/5200	Topics in Music History and Culture	3
Specialization:		
Music Techniques:		4
MUS TECH 3500/5500	Instrumental Jazz Improvisation - Theory	
or MUS TECH 3530/5530	Instrumental Jazz Improvisation I	
or MUS TECH 3550/5550	Instrumental Jazz Improvisation II	
MUS ED 6520	Jazz Pedagogy	

Music Theory:		5
MUS THEO 3270/527	Jazz Arranging I	
MUS THEO 3280/528	Jazz Arranging II	
MUS THEO 3320/53	Jazz Composition Class	
Music, Organizations and Ensembles: *		8
MUS ENS 3160/5160	Jazz Band (combos)	
Research:		
MUS TECH 6299	Research	2
Music electives:		
Select 5 hours of electives from the following:		5
Applied Music:		
MUS APPL 3400/540	Percussion	
MUS APPL 3530/5530	Jazz Guitar	
MUS APPL 3560/556	Jazz Bass	
MUS APPL 3570/5570	Jazz Piano	
Music Theory:		
MUS THEO 3220/5220	Music and Technology	
Music History and Musicology:		
MUS HIST 3600/5600	Jazz History and Styles (preferred)	
Recital:		
MUS APPL 6880	Graduate Recital	0
Total Hours		**36**

* 2 hrs. in jazz ensembles participation required each semester of residence.

** Strongly recommended.

Additional requirements:

1. Jazz performance recital
2. Recital abstract
3. Jazz bass proficiency
4. Jazz piano proficiency
5. Jazz drum set proficiency

Major in Music Education

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

This major is available on the **thesis** and **non-thesis** options, contingent on availability of faculty. Both options require a **minimum of 33 semester hours. A minimum of 15 semester hours of 6000-level course work is required for the thesis option and a minimum of 12 semester hours of 6000-level course work is required for the non-thesis option.**

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required		
Graduate Music Core:		
Music Theory:		
MUS THEO 6000	Foundations of Musical Analysis	3
MUS THEO 5200	Topics in Music Theory and Analysis	3
Music History and Musicology:		
MUS HIST 6000	Foundations of Musicology	3
MUS HIST 3200/5200	Topics in Music History and Culture	3
Music Education core:		
Research in Music Education and Methods:		
MUS ED 6210	Research Methodology in Music Education	3
Research:		
MUS ED 6299	Research	3 or 6
Thesis option (6 hrs.), contingent on availability of faculty.		
Non-thesis option (3 hrs.)		
Music Education and Methods:		
MUS ED 3450/5450	Developments and Trends in Music Education	3
MUS ED 6300	Foundations of Music Education	3
MUS ED 6820	Seminar: Music Learning and Behavior	3
Music Education electives as approved by music education faculty:		**3 or 6**
Select from the following:		
MUS ENS 5xxx (1-2 hrs.)		
MUS APPL 5xxx (1-4 hrs.)		
MUS TECH 3210/52	Conducting III--Instrumental	
MUS TECH 3350/5350	Accompanying	
MUS ED 3300/5300	Vocal Pedagogy and Vocology	
MUS TECH 3500/5500	Instrumental Jazz Improvisation - Theory	
MUS TECH 3530/55	Instrumental Jazz Improvisation I	
MUS TECH 3550/5550	Instrumental Jazz Improvisation II	
MUS ED 3970/5970	Instrumental Upkeep and Repair	
MUS ED 6870	Measurement and Evaluation in Music	
MUS ED 6550	School Music Administration and Classroom Management	
MUS THEO 3270/5270	Jazz Arranging I	
MUS HIST 3510/5510	Music of World Cultures	
MUS LIT 3310/5310	History and Literature of Large Choral Forms	
MUS LIT 3400/5400	History and Literature of the Orchestra	
MUS LIT 3420/5420	History and Literature of the Wind Band	

Thesis option (3 hrs.)		
Non-thesis option (6 hrs.)		
Total hours		33

Note: A maximum of 2 hours of ensembles MUS ENS xxxx and 4 hours of applied music MUS APPL xxxx may be counted toward fulfilling minimum degree requirements.

Major in Music History

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

This major is offered on the **thesis** option only, and requires a **minimum of 31 semester hours. A minimum of 15 semester hours of 6000-level course work is required, including 3 hours of music electives at the 6000-level.**

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required

Graduate Music core:		
Music Theory:		
MUS THEO 6000	Foundations of Musical Analysis	3
MUS THEO 5200	Topics in Music Theory and Analysis	3
Music History and Musicology:		
MUS HIST 6000	Foundations of Musicology	3
MUS HIST 3200/5200	Topics in Music History and Culture	3
Specialization:		
Music History and Musicology:		12
MUS HIST 6299	Research (research for thesis - 6 hrs.)	
MUS HIST 5xxx (6 hrs.)		
Electives:(maximum of 2 hrs. may be in applied music)		**7**
Total Hours		**31**

Additional requirement:

Reading proficiency in either German or French.

Major in Performance

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

This major is offered on the **thesis/recital** option only, and requires a **minimum of 33-36 semester hours (depending on specialization chosen)**. **A minimum of 15 semester hours of 6000-level course work is required of all majors.**

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required

Graduate Music Core:		
Music Theory:		
MUS THEO 6000	Foundations of Musical Analysis	3
MUS THEO 5200	Topics in Music Theory and Analysis	3
Music History and Musicology:		
MUS HIST 6000	Foundations of Musicology	3
MUS HIST 3200/5200	Topics in Music History and Culture	3
Recital:		
MUS APPL 6880	Graduate Recital	0
Specialization: (choose A or B)		21-24
Total Hours		**33-36**

Specialization:

A. Wind, Percussion, Keyboard or Strings

Music Ensemble: MUS ENS 5xxx **		2-4
Applied Music: MUS APPL 6xxx (variable)		10
Performance Literature and Repertory: *		2-4
MUS LIT 3200/5200	Performance Literature: _____	
Music electives: primarily in the areas of music theory and music literature		5-7
Total hours		21-23

B. Voice

Music, Organizations and Ensembles:		2
MUS ENS 3190/5190 & MUS ENS 3100/51	Opera and Chorus **	
Applied Music:		8
MUS APPL 6490	Voice	
Music Techniques:		8
MUS TECH 3450/54	Vocal Coaching	
MUS TECH 3610/561	Opera Performance II	
MUS TECH 6230	Advanced Vocal Performance	
Performance Literature and Repertory:		4
MUS LIT 3200/5200	Performance Literature: _____	
Music Education and Methods:		2
MUS ED 3300/5300	Vocal Pedagogy and Vocology	
Total Hours		**24**

* Students in the Keyboard specialization are required to take MUS LIT 3200 sections 03 and 04.

** Students in the Voice specialization must take one semester of either Chamber Singers or Concert Chorale (to be

determined upon formal audition for the choral conducting staff), and one semester of Opera Performance Ensemble. Students in the Instrumental specialization will choose Jazz Band I, Symphony Orchestra, Symphonic Band, or Wind Symphony, but only 2 hours of Jazz Band I may be counted toward minimum degree requirements. Students in the String specialization are required to complete 4 hours of ensembleMUS ENS 3170/5170 Symphony Orchestra. Chamber Music and/or accompanying may be elected by keyboard specialization.

*** Primarily in the areas of music theory, music history, music techniques, and performance; only 2 hours of ensemble credit may count toward this requirement.

Additional requirements:

1. Two consecutive semesters (fall/spring) of residency with fulltime status (minimum of 9 graduate hours per semester);
2. Performance recital of at least sixty (60) minutes in length;
3. Recital abstract;
4. Two successful applied jury examinations (grades B or higher);
5. Voice specialization must:
   - Demonstrate diction proficiency (by diagnostic examination) in English, Italian, German, and French. Otherwise one must successfully complete MUS TECH 1300 and/or MUS TECH 1310.
   - Have successfully completed one semester of college-level study in two foreign languages prior to entering UNI. Otherwise, one must fulfill this requirement during the residency at UNI. Foreign language requirement may only be completed by taking Italian, German or French.
6. Students are required to enroll in applied music in their performance area during the semester they present their recital.

Major in Piano Performance and Pedagogy

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the School of Music for other application requirements. Graduate Information can be found at grad.uni.edu and application for graduate admission can be found at admissions.uni.edu/application.

This major is offered on the **thesis/full recital** and **non-thesis/half solo recital and pedagogy project** options. Both options require a **minimum of 34 semester hours**. **A minimum of 15 semester hours of 6000-level course work is required of all majors enrolled for the thesis/full recital option. A minimum of 12 semester hours of 6000-level course work is required of all majors enrolled for the non-thesis/half solo recital and pedagogy project option.**

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required		
Graduate Music Core:		
Music Theory:		
MUS THEO 6000	Foundations of Musical Analysis	3
MUS THEO 5200	Topics in Music Theory and Analysis	3
Music History:		
MUS HIST 6000	Foundations of Musicology	3
MUS HIST 5200	Topics in Music History and Culture	3
Piano performance:		
Applied Music:		6
MUS APPL 6460	Piano	
Music Literature:		4
MUS LIT 3200/5200	Performance Literature: _____ (Piano I)	
MUS LIT 3200/5200	Performance Literature: _____ (Piano II)	
Piano pedagogy:		
Music Education and Methods:		10
MUS ED 3480/5480	Piano Pedagogy: Elementary	
MUS ED 3495/5495	Music Learning and Motivation	
MUS ED 6570	Piano Pedagogy: Intermediate	
MUS ED 6580	Piano Pedagogy: Group and Adult	
MUS ED 6600	Piano Pedagogy: Internship	
Recital:		
MUS APPL 6880	Graduate Recital	0
Electives		
Select 2 hours from the Recommended List:		2
MUS ENS 3120/5120	Ensemble	
MUS APPL 6460	Piano	
MUS TECH 3350/535	Accompanying	
MUS ED 6500	Projects in Music Education	
MUS ED 6600	Piano Pedagogy: Internship	
MUS ED 6285	Readings	
MUS THEO 3220/522	Music and Technology	
MUS ED 6299	Research	
Total Hours		**34**

Additional requirements:

Final project-
Options:

- Full solo recital/recital abstract
- Half solo recital and pedagogy project (workshop or research paper)
- Students are required to enroll in applied music in their performance area during the semester they present their recital.
- Students choosing the half solo recital and pedagogy project must also enroll in 1 credit of research (counting in electives) during the semester they prepare and present their project (workshop or research paper)

Program Certificates

Artist Diploma (I) (II) Graduate Certificate

The Artist Diploma is a non-degree-granting professional program awarded by the School of Music for the successful completion of performance studies combined with general music studies. The curricular content of the proposed Artist Diploma program is designed to provide the student aspiring toward a professional career the opportunity to study and perform solo literature and chamber music without taking all the academic course requirements of a masters degree.

The Artist Diploma serves the needs of international and national students who are extremely talented, career minded, and dedicated to the art of music-making. Admission is considered once the student has completed a baccalaureate degree, or the international equivalent, and taken an in-person audition (a recording would be accepted if the in-person audition would pose undue hardship). Applicants not holding the baccalaureate degree or its equivalent, but who have extensive study with a master teacher and noted performing experience, may apply. Interested students should contact the Associate Director of Graduate Studies within the School of Music.

Students may pursue the Artist Diploma I concurrently with or in addition to a graduate degree program in music. Only four (4) elective credits (no applied or ensemble credits) may be double counted. Admission to a graduate degree program in music does not guarantee admission to the Artist Diploma certificate program; a separate audition is required.

Artist Diploma (I)

Diploma (I) requires a minimum of 15 hours in the following program:

Required		
Applied Music: MUS APPL 6xxx		6
Ensemble, or chamber ensemble, or opera performance, or accompanying:		2
Electives in music *		7
MUS APPL 6890	Diploma Recital (must complete one recital and register for Diploma Recital during the semester in which recital is completed)	0
Total Hours		**15**

* Courses must be selected from 5000-level and 6000-level offerings available during the period of residency. Vocal students may include up to 3 hours of graduate foreign language study. Only 2 hours of ensemble credits beyond the requirements will count toward music electives. No additional applied music hours will count toward music electives. No applied or ensemble credits from another institution may be transferred for the Artist Diploma.

Additional requirements:

- Applied jury examination as required;
- One full solo recital (Diploma recital);
- All course work must be completed with a grade of B or higher, and applied study and Diploma I recital with a grade of A.

Artist Diploma (II)

Diploma (II) requires a minimum of 30 hours in the following program:

Required		
Applied Music: MUS APPL 6xxx:		12
Ensemble, or chamber ensemble, or opera performance, or collaborative playing:		4
Electives in music *		14
MUS APPL 6890	Diploma Recital (must complete two recitals and register for Diploma Recital during each semester in which recitals are completed)	0
Total Hours		**30**

* Courses must be selected from 5000-level and 6000-level offerings available during the period of residency. Vocal students may include up to 6 hours of graduate foreign language study. Only 4 hours of ensemble credits beyond the requirements will count toward music electives. No additional applied music hours will count toward music electives. No applied or ensemble credits from another institution may be transferred for an Artist Diploma certificate.

Additional requirements:

- Applied jury examination as required;
- Two full solo recitals (Diploma Recitals);
- All course work must be completed with a grade of B or higher, and applied study with a grade of A.

Department of Nursing & Public Health

(College of Social and Behavioral Sciences)

The Department of Nursing & Public Health offers the following programs:

Undergraduate Major (B.A.)

- Public Health (p. 350)

Minor

- Public Health (p. 351)

Program Certificates

- Health Care Administration for Business Majors (also listed in College of Business and Department of Economics) (p. 351)
- Health Care Administration for Non-Business Majors (also listed in College of Business and Department of Economics) (p. 352)
- Community Nutrition (p. 353)
- Environmental Health (p. 353)

- Global Health and Humanitarian Assistance (p. 353)
- Health and Social Services (p. 353)
- Women's Health (p. 354)

Bachelor of Arts Degree Programs

Public Health Major

The Public Health major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. UNIFI/General Education courses included in major program requirements are distinguished by italics.

Tracks include the following:

Community Health (41 credits)

Environmental Health Science (46 credits)

Public Health specialists seek to improve the health of the general public through education, behavior change and improvement of the environment. Students in the program develop the skills to plan, implement and evaluate programs in a variety of settings, which may include health departments, corporate wellness sites, hospitals/clinics, fitness facilities, nonprofit organizations, international relief organizations, nursing homes, colleges/universities, and private industry.

The curriculum is tailored to meet national competencies and prepares students to sit for the National Certified Health Education Specialist (CHES) exam or the Registered Environmental Health Specialist (REHS) exam. Students will take classes on environmental health science, epidemiology (how diseases are spread), nutrition, cultural competency, and how to address risky lifestyle behaviors (i.e., tobacco/alcohol/substance abuse, lack of physical activity, poor nutrition and unintentional injuries, high levels of stress, and unsafe sexual behaviors).

All students are encouraged to meet with their faculty advisor to discuss their career goals and aspirations and possible certificate options to gain expertise in specific public health areas.

A student may declare more than one track within the Public Health major. The Environmental Health Science track requires 3 hours of PH 4180 Internship and 3 hours of PH 4170 Senior Project ; the Community Health track requires 6 hours of PH 4180 Internship and 3 hours of PH 4170 Senior Project . If a student chooses the Environmental Health track and the Community Health track, those students will complete 3 hours of PH 4180 Internship in Environmental Health and 3 hours PH 4180 Internship in Community Health and 3 hours of PH 4170 Senior Project . Students who complete a major in either Chemistry, Biology, or Biochemistry who double major in Public Health are waived from the requirements of PH 3170 Internship Seminar , PH 4170 Senior Project and PH 4180 Internship. Students should speak with their advisor regarding these options in advance.

Environmental Health Science (EHS) track and Community Health (CH) track		
Required Core: 24 credits (EHS) or 27 credits (CH)		
PH 1101	Introduction to Public Health	3
PH 1410	Basic Nutrition	3
PH 2130	Epidemiology of Human Diseases	3
PH 3170	Internship Seminar	3
or HRCS 4000	Professional Readiness Seminar	
PH 3310/5310	Cultural Competency for the Helping Professions	3
PH 3710/5710	Environmental Health Science	3
PH 4170	Senior Project	3
PH 4180	Internship (3 hrs. EHS or 6 hrs. CH)	3 or 6
Environmental Health Science Core (EHS): 22 credits		
Public Health:		
PH 3720/5720	Environmental and Occupational Health Regulations	3
PH 3730/5730	Toxins and Health	3
Biology:		
BIOL 1033	Principles of Microbiology	4
BIOL 2052	General Biology: Cell Structure and Function	4
Chemistry:		
CHEM 1010	Principles of Chemistry	4
CHEM 2040	Applied Organic and Biochemistry	4
Total EHS: 24 credits (core) + 22 credits (track)		**46**
(CHEM 1110 AND CHEM 1120 OR CHEM 1130 can be substituted for CHEM 1010. CHEM 2210 AND CHEM 2220 can be substituted for CHEM 2040. BIOL 3151 can be substituted for BIOL 1033.		
Community Health Core (CH):		
PH 3140/5140	Planning and Evaluating Public Health Programs	4
PH 3150/5150	Implementation and Advocacy in Public Health Programs	4
Community Health Electives (CH) choose 6 credits from the following:		**6**
PH 1610	Exploring Careers in Public Health	
PH 2420	Nutrition for Health Promotion	
PH 2430	Food and Nutrition Practicum	
PH 2520	Maternal and Infant Health	
PH 2530	Introduction to Women's Health	
PH 2540	Selected Topics in Women's Health	
PH 2620	Stress and Coping	
PH 2630	Aging and Health	
PH 3320/5320	Global Service Mission	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
PH 3640/5640	Worksite Health Promotion	
PH 3650	Complementary, Alternative, and Integrative Health	

PH 3670	Health Care and the Consumer	
PH 3720/5720	Environmental and Occupational Health Regulations	
PH 3730/5730	Toxins and Health	
PH 3740/5740	Environmental Health, Field Methods, Technology, and Laboratory Applications	
Total CH: 27 credits (core) + 14 credits (track)		**41**

Minor

Public Health Minor

Required:		
Public Health:		
PH 1101	Introduction to Public Health	3
PH 1410	Basic Nutrition	3
PH 2130	Epidemiology of Human Diseases	3
PH 3140/5140	Planning and Evaluating Public Health Programs	4
PH 3150/5150	Implementation and Advocacy in Public Health Programs	4
PH 3710/5710	Environmental Health Science	3
Total Hours		**20**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Nursing & Public Health or the Office of the Registrar, which serves as the centralized registry.

Certificate in Health Care Administration for Business Majors

The interdisciplinary Health Care Administration certificate for Business Majors includes courses which develop basic business skills for students desiring business careers in health care. Both nonprofit and for-profit health institutions such as clinics, hospitals, insurance companies, medical offices, and long-term care facilities require employees with business skills. Business professionals manage employees, manage finances, raise funds, reduce and manage risk, work with or for insurance companies, and seek ways to provide effective and cost-efficient care. Requires completion of any business major.

Required:		
Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Economics:		
ECON 2140	Health Economics	3
Public Health and Education:		
PH 1101	Introduction to Public Health	3
or CAP 3160	Community and Public Health	
PH 3640/5640	Worksite Health Promotion	3
Electives (one of the following):		3
ECON 1001	Economics of Social Issues *	
ECON 2112	Intermediate Microeconomic Theory	
ECON 3217/5217	Economics of Labor Markets	
ECON 3371	Economic and Business Forecasting	
POL AMER 1048	Current and Emerging Issues in Public Administration	
Electives (two of the following):		6
Anthropology:		
ANTH 3102/5102	Culture, Disease, and Healing **	
Capstone courses:		
CAP 3173/ RELS 3510/PHIL 3510	Bio-Medical Ethics	
CAP 3194/ RELS 3110/PHIL 3110	Perspectives on Death and Dying	
Criminology:		
CRIM 3369	Drugs and Society **	
Family Services:		
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias	
Finance:		
FIN 3050	Risk Management and Insurance	
Gerontology:		
GERO/FAM SERV 2111	Families and End of Life Issues	
GERO 4170/5170	Long Term Care Administration	
Philosophy:		
PHIL/RELS 3110	Perspectives on Death and Dying	
Psychology:		
PSYCH 3303/5303	Health Psychology **	
Public Health and Education:		
PH 2630	Aging and Health	
PH 2620	Stress and Coping	
PH 3320/5320	Global Service Mission	
PH 2530	Introduction to Women's Health	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
PH 3720/5720	Environmental and Occupational Health Regulations	
Sociology:		
SOC 3035/5035	Social Gerontology **	

SOC 3086/5086	Medical Sociology **	
Total Hours		**21**

* Course can be used to satisfy the Responsibility requirement in the UNIFI/General Education program.

** The following courses have additional prerequisites:
ANTH 3102/5102 has prerequisite of SOC 1000 or ANTH 1002. SOC 1000 can be used to satisfy the Human Condition - Domestic requirement in the UNIFI/General Education program. ANTH 1002 can be used to satisfy the Human Condition - Global requirement in the UNIFI/General Education program.
CRIM 3369 has prerequisite of SOC 1000 or SOC 1060; CRIM 2025. SOC 1000 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
PSYCH 3303/5303 has prerequisite of PSYCH 1001. PSYCH 1001 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
SOC 3035/5035 and SOC 3086/5086 have prerequisite of SOC 1000 or SOC 1060. SOC 1000 and SOC 1060 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

Certificate in Health Care Administration for Non-Business Majors

The interdisciplinary Health Care Administration certificate for Non-Business majors includes courses which develop basic business skills for students desiring business careers in health care. Both nonprofit and for-profit health institutions such as clinics, hospitals, insurance companies, medical offices, and long-term care facilities require employees with business skills. Business professionals manage employees, manage finances, raise funds, reduce and manage risk, work with or for insurance companies, and seek ways to provide effective and cost-efficient care.

Required:

Accounting:		
ACCT 2120	Principles of Financial Accounting	3
Economics:		
ECON 1031	Introduction to Business Economics	3
or ECON 1041	Principles of Macroeconomics	
ECON 2140	Health Economics	3
Public Health and Education:		
PH 1101	Introduction to Public Health	3
or CAP 3160	Community and Public Health	
PH 3640/5640	Worksite Health Promotion	3
Elective(s) from the following (select one if major or minor requires no economics; select two if major or minor requires economics):		3-6
Anthropology:		
ANTH 3102/5102	Culture, Disease, and Healing *	

Capstone courses:

CAP 3173/ RELS 3510/PHIL 3510	Bio-Medical Ethics	
CAP 3194/ RELS 3110/PHIL 3110	Perspectives on Death and Dying	
Criminology:		
CRIM 3369	Drugs and Society *	
Family Services:		
FAM SERV/GERO 3161	Families, Alzheimer's and Related Dementias	
Finance:		
FIN 3050	Risk Management and Insurance	
Gerontology:		
GERO/FAM SERV 2111	Families and End of Life Issues	
GERO 4170/5170	Long Term Care Administration	
Philosophy:		
PHIL/RELS 3110	Perspectives on Death and Dying	
Political Science:		
POL AMER 1048	Current and Emerging Issues in Public Administration	
Psychology:		
PSYCH 3303/5303	Health Psychology *	
Public Health and Education:		
PH 2630	Aging and Health	
PH 2620	Stress and Coping	
PH 3320/5320	Global Service Mission	
PH 2530	Introduction to Women's Health	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
PH 3720/5720	Environmental and Occupational Health Regulations	
Sociology:		
SOC 3035/5035	Social Gerontology *	
SOC 3086/5086	Medical Sociology *	
Total Hours		**18-21**

* The following courses have additional prerequisites:
ANTH 3102/5102 has prerequisite of SOC 1000 or ANTH 1002. SOC 1000 or ANTH 1002 can be used to satisfy UNIFI/General Education requirements.
CRIM 3369 has prerequisite of SOC 1000 or SOC 1060; CRIM 2025. SOC 1000 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.
PSYCH 3303/5303 has prerequisite of PSYCH 1001. PSYCH 1001 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

SOC 3035/5035 and SOC 3086/5086 have prerequisite of SOC 1000 or SOC 1060. SOC 1000 or SOC 1060 can be used to satisfy the Human Condition (Domestic) requirement in the UNIFI/General Education program.

Certificate in Community Nutrition

The Community Nutrition Certificate is offered by the Public Health and Education program within the Department of Nursing & Public Health. The Community Nutrition Certificate Program prepares students to address nutrition issues in the community setting.

Required:		
Public Health:		
PH 1101	Introduction to Public Health	3
PH 1410	Basic Nutrition	3
PH 2420	Nutrition for Health Promotion	3
PH 2430	Food and Nutrition Practicum	2
Psychology:		
PSYCH 1001	Introduction to Psychology *	3
Electives: (choose one course from the following)		3
PSYCH 3303/5303	Health Psychology	
PSYCH 3502/5502	Motivation and Emotion	
Total Hours		**17**

* PSYCH 1001 satisfies the Human Condition (Domestic) requirement of the UNIFI/General Education program.

Certificate in Environmental Health

Required:		
PH 1101	Introduction to Public Health	3
PH 2130	Epidemiology of Human Diseases	3
PH 3710/5710	Environmental Health Science	3
PH 3720/5720	Environmental and Occupational Health Regulations	3
PH 3730/5730	Toxins and Health	3
Total Hours		**15**

Certificate in Global Health and Humanitarian Assistance

Required:		
PH 1101	Introduction to Public Health	3
PH 3310/5310	Cultural Competency for the Helping Professions	3
PH 3320/5320	Global Service Mission (3 hrs.)	3
PH 3330/5330	Minority Health	3
PH 3340/5340	International Health	3
Total Hours		**15**

Certificate in Health and Social Services

The purpose of this certificate is to provide an overview of issues and topics relevant to students who are interested in providing social services or health education to individuals in public health and healthcare settings.

This certificate is designed for undergraduate students who are preparing to work with persons of varied demographic backgrounds in health-related settings such as clinics, hospitals, and other organizations working to promote public health.

Examples of related majors include Social Work, Public Health, Sociology, Spanish, Family Services, Psychology, Criminology, Anthropology, Communication Studies, Education, Management, Public Administration, Public Policy, and Political Science, Gerontology, Communication Sciences and Disorders.

Required:		
PH 1101	Introduction to Public Health	3
SW 1001	Introduction to Social Work and Social Services	3
One elective course from the following:		3
FAM SERV 2111	Families and End of Life Issues	
FAM SERV 3150/515	Families and Aging *	
PH 2520	Maternal and Infant Health	
PH 2530	Introduction to Women's Health	
PH 2630	Aging and Health	
PH 3330/5330	Minority Health	
PSYCH 3204/5204	Psychology of Aging	
SOC 2030	Sociology of Families *	
SOC 3035/5035	Social Gerontology *	
SOC 3086/5086	Medical Sociology *	
SOC 4052/5052	Childhood Inequalities *	
SW 4173/5173	Social Services for Older Adults	
One elective course from the following:		3
ANTH 3102/5102	Culture, Disease, and Healing *	
FAM SERV 1055	Human Growth and Development	
PH 2420	Nutrition for Health Promotion *	
PH 2620	Stress and Coping	
PH 3310/5310	Cultural Competency for the Helping Professions	
PH 3730/5730	Toxins and Health	
PH 4663/5663	Human Diseases	
PHIL 3110	Perspectives on Death and Dying	
PHIL 3510/ CAP 3173/ RELS 3510	Bio-Medical Ethics	
PSYCH 3303/5303	Health Psychology *	
SOC 3087/5087	Society and Mental Illness *	
SW 2045	American Racial and Minoritized Populations	
SW 4164	Human Behavior and the Social Environment *	

SW 4171/5171	Addictions Treatment	
Total Hours		**12**

* The following courses have prerequisites:
PH 2420 has a prerequisite of PH 1410.
SOC 2030, SOC 3035/5035, SOC 3086/5086, SOC 3087/5087, and SOC 4052/5052 have a prerequisite of SOC 1000 or SOC 1060.
SW 4164 has a prerequisite of a Biology course (BIOL 1014 preferred).
FAM SERV 3150/5150 has a prerequisite of FAM SERV 1020 and FAM SERV 1055 or PSYCH 2202.
ANTH 3102/5102 has a prerequisite of SOC 1000 or ANTH 1002.
PSYCH 3303/5303 has a prerequisite of PSYCH 1001.

Certificate in Women's Health

The Women's Health Certificate is offered by the Public Health program within the Department of Nursing & Public Health. The Women's Health Certificate prepares students for work in organizations that address women's health needs.

Required:		
Applied Human Sciences, School of:		
FAM SERV 1057	Human Relationships and Sexuality	3
Public Health:		
PH 2520	Maternal and Infant Health	3
PH 2530	Introduction to Women's Health	3
Women's and Gender Studies:		
WGS 1040	Women's and Gender Studies: Introduction	3
Electives (choose one from the following):		3
COMM 4346/5346	Gender Issues in Communication	
PH 2630	Aging and Health	
PH 3650	Complementary, Alternative, and Integrative Health	
PSYCH 2201	Psychology of Gender *	
SOC SCI 1020	Women, Men, and Society	
Total Hours		**15**

* PSYCH 2201 has a prerequisite of PSYCH 1001.

Department of Philosophy and World Religions

(College of Humanities, Arts and Sciences)

www.uni.edu/philrel

The Department of Philosophy and World Religions offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Philosophy and World Religions section in the following order:

Undergraduate Majors (B.A.)

- Philosophy (p. 354)
- Study of Religion (p. 356)

Minors

- Ethics (p. 357)
- Philosophy (p. 358)
- Religion (p. 358)

Program Certificate **(**p. 358**)**

- Youth Work in Religious Settings (p. 358) (also listed in Department of Health, Recreation and Community Services)

Bachelor of Arts Degree Programs

Philosophy Major

The Philosophy major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, 36 hours of coursework in the major, plus electives to complete the minimum of 120 hours.

The Philosophy major is designed to provide depth and breadth in the study of philosophy, emphasizing the skills of logical reasoning, analytic reading, effective writing, and ethical reasoning, as well as focused study of the history of western philosophy, and fundamental conceptions of human nature and human practices. The major is also flexible, so that students can take courses of interest to them. Courses in the philosophy major give students an opportunity to gain useful conceptual tools, increase their flexibility of mind, and improve their ability to view issues from multiple perspectives. Philosophy is one of the best pre-law majors; philosophy majors typically do extremely well in admission tests to graduate and professional schools.

The philosophy major stresses learning goals that enable students to achieve the skills deemed essential by employers, in particular, strong critical thinking and communication skills. Because the major is organized around learning goals, students know exactly why they are taking each class. As they explore philosophy, they also see that each class is helping them to become college graduates who possess knowledge and skills valued by employers as well as professional and graduate schools.

Philosophy Major - Learning Goals and Courses

What is a learning goal?

A learning goal is a set of skills or body of knowledge that a student should expect to acquire or expand their mastery of by completing a particular major.

By establishing learning goals, majors in Philosophy know exactly why they are taking each class. These learning goals divide the classes taken by majors in Philosophy into categories that are easily understood and that guide the student through the major and the learning process.

Learning Goal 1: Skills: Philosophy majors will demonstrate proficiency in critical thinking, analytical writing, reading and understanding complex materials; as well as analyzing, evaluating, and constructing arguments.

Courses that support Learning Goal 1:

Logical Reasoning		
Required:		3
PHIL 1030	Elementary Logic QR	
Reading for Arguments and Assumptions		
Students who have completed Learning Goal 4 will have satisfied this requirement.		
Analytic Writing		
Students who have completed Learning Goal 4 will have satisfied this requirement.		

Learning Goal 2: Ethical Reasoning: Philosophy majors will understand ethical theories and use this understanding to think through moral and ethical problems in a principled and systematic way.

Courses that support Learning Goal 2:

Required:		
PHIL 2500	Ethics *	3

Learning Goal 3: History of Philosophy: By reading key texts from the rich western philosophical tradition, Philosophy majors will gain useful conceptual tools, increase their flexibility of mind, and improve their ability to view issues from multiple perspectives.

Courses that support Learning Goal 3:

Required: at least three course from the following:		9
PHIL 2210	Dawn of Western Thought: Ancient Philosophy	
PHIL/RELS 2220	Faith and Reason: Philosophy in the Middle Ages	
PHIL 2230	The Age of Reason: Philosophy in the Renaissance and Enlightenment	
PHIL 2240	The Limits of Reason: Modern Philosophy	

Learning Goal 4: Philosophy majors will investigate fundamental conceptions of what it means to be a person and to engage in essential human activities.

Courses that support Learning Goal 4:

A. Understanding Human Nature		
Required: at least two courses from the following:		6
PHIL 3310	Consciousness and Mind: Philosophical Perspectives	
PHIL 3330	Death, Sex and the Body: Phenomenology and Foucault	
PHIL 3360	Intellectual Vices and Virtues: Theory and Practice	
PHIL 3610	Nietzsche, Nihilism, and Technology *	
B. Basic Human Practices		
Required: at least two courses from the following. At least one of these courses must be in "analytical philosophy": either PHIL 3350 or PHIL 3620. (Taking both of these courses will completely satisfy this requirement.)		6
PHIL 2140	Philosophy of Religion	
PHIL 3320	Political Philosophy *	
PHIL 3350	How We Know: Philosophical Perspectives	
PHIL 3370	Philosophy of Law	
PHIL 3620	Philosophy of Language: Wittgenstein	

Learning Goal 5: Career Preparation: Philosophy majors will be able to relate their major to their careers and to their future goals.

Required:		
PHIL 4490	Professional Development Seminar	3
Through thoughtful reflection and critical discernment, students synthesize their work in the major, clarifying what they have done and linking their achievements with life goals, while they also explore how deep learning outcomes in the major offer preparation for a career, graduate or professional school.		

Electives: in order to reach 36 hours, students can choose from courses not used above or from the following courses in Philosophy. No more than two courses in applied ethics (PHIL 1540, PHIL 1560 PHIL 2550, PHIL 2570, PHIL 3110, PHIL 3510) count toward the philosophy major:

PHIL 1020	Philosophy: The Art of Thinking
PHIL 1040	Justice and the Good Life: Philosophical Perspectives R
PHIL 1050	The Art of Critical Thinking and Writing WC
PHIL 1080	World Philosophies HCG
PHIL/RELS 1540	Ethics in Business
PHIL 1560	Science, Technology, and Ethics (STE) R
PHIL/RELS 2550	Environmental Ethics *
PHIL 2570	Good Sex: The Ethics of Human Sexuality *
PHIL/RELS 3110/ CAP 3194	Perspectives on Death and Dying *^HCG
PHIL 3186	Studies in Philosophy
PHIL/RELS 3510/ CAP 3173	Bio-Medical Ethics *^R
PHIL 4080	Individual Readings in Philosophy

Total hours 36

*	Courses followed by asterisk (*) count toward the Ethics minor (15-hour minor).
^	Courses followed by the symbol (^) also satisfy the Liberal Arts Core Capstone requirement.

QR	Courses followed by (QR) also satisfy the UNIFI Quantitative Reasoning category.
R	Courses followed by (R) also satisfy the UNIFI Responsibility category.
WC	Courses followed by (WC) also satisfy the UNIFI Written Communication category.
HCG	Courses followed by (HCG) also satisfy the UNIFI Human Condition: Global category.

Study of Religion Major

The Study of Religion major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, 36 hours of coursework in the major, plus electives to complete the minimum of 120 hours.

The Study of Religion major is designed to provide depth and breadth in the study of religion, emphasizing the beliefs and practices of the major world religions, as well as focused study of the multiple ways that religions shape and reflect the world around us. The major is also flexible, so that students can take courses of interest to them. Courses in the study of religion give students an opportunity to become reflective and respectful global citizens in our increasingly diverse world.

In planning the Study of Religion major, we have listened to employers. The major prioritizes learning goals that enable students to learn about religion and achieve outcomes that employers value. We know that employers want to hire college graduates who have strong communication and critical thinking skills and who can interact empathetically and effectively with persons from different cultural and religious backgrounds. Because the major is organized around learning goals, students always know exactly why they are taking each class. As they explore religion, they also see that each class is helping them to become college graduates who possess knowledge and skills valued by employers.

Study of Religion Major - Learning Goals and Courses

What is a learning goal?

A learning goal is a set of skills or body of knowledge that a student should expect to acquire, or expand their mastery of, by completing a particular major.

Having established "learning goals" allows majors in Religion to know exactly why they are taking each class. These learning goals divide the classes taken by majors in Religion into categories that are easily understood and that guide the student through the major and the learning process.

Learning Goal 1:

Majors in the Study of Religion demonstrate an ability to reflect critically and emphathetically on the subject.

Courses support Learning Goal 1:

A. Religion and Culture		
One course from the following:		3
RELS 2600	Religion and the Public Schools	
RELS/PHIL 3110/ CAP 3194	Perspectives on Death and Dying	
RELS 3150	Women and Christianity *	
RELS 3400	Religion and Race	
RELS 3500	Religion and Ethics	
RELS 4230/5230	Religion in America *	
B. Textual and Analytical Explorations of Religion		**3**
One course from the following:		
RELS 2001	Old Testament and Other Hebrew Scriptures	
RELS 2002	New Testament and Early Christian Writings	
RELS/PHIL 2140	Philosophy of Religion *	
RELS 3120	Myth and Symbol	
RELS 3140	Religion and Its Critics *	
RELS 3200	Religion and Law	

Learning Goal 2:

Majors in the Study of Religion have knowledge of the beliefs, practices, and worldviews of major living religions.

Courses support Learning Goal 2:

A. Historical and Cultural Studies of Religion		
One course from the following:		3
RELS 2100	Great Living Religions: Hinduism and Buddhism	
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	
One course from the following:		3
RELS 2120	Great Living Religions: Judaism and Islam	
RELS 2130	Great Living Religions: Christianity	
B. Interactions Within and Among Religions		
One course from the following:		3
RELS 1030	What is Religion?	
RELS/PHIL 2220	Faith and Reason: Philosophy in the Middle Ages	
RELS 3160	Religion and Society *	
RELS 3180	Religion and Politics: (Topics)	
RELS 1040	The Power of Myth: (Topic)	
RELS 1060	American Religious Diversity	

Learning Goal 3:

Majors in the Study of Religion have skills that are highly valued by employers; they are able to relate their major to their career and to their future goals.

Courses support Learning Goal 3:

Writing Enhanced Courses		
Two writing enhanced courses are required. Students must take at least two courses marked with an asterisk (*) for the Study of Religion major.		
Senior Seminar		
Required:		
RELS 4490	Professional Development Seminar	3

Through thoughtful reflection and critical discernment, students synthesize their work in the major, clarifying what they have done and linking their achievements with life goals, while they also explore how deep learning outcomes in the major offer preparation for a career, graduate or professional school.

Electives: in order to reach 36 hours, students can choose from courses not used above or from the following courses in Religion. All courses 3000 level or higher (including any RELS 3159 course) that do not already fulfill other requirements for the major are considered Electives:

RELS 1020	Religions of the World
RELS 1510	Religion, Ethics, and Film
RELS 3080/5080	Individual Readings in Religion
RELS/CAP 3157	Monsters, Vampires, and Religion: An Awesome Alliance
RELS 4186/5186	Studies in Religion
RELS 4600	Internship in Religion
and not more than two courses from:	
RELS/PHIL 1540	Ethics in Business
RELS/PHIL 2550	Environmental Ethics
RELS/PHIL 2570	Good Sex: The Ethics of Human Sexuality
RELS/PHIL 3510/ CAP 3173	Bio-Medical Ethics
Total hours 36	

Pre-Theological Emphasis

Students preparing for ministry or for graduate professional education in theology at a seminary or divinity school, regardless of major, are advised to consult with the pre-theological advisor, who will help them to know the requirements of individual schools and to plan an undergraduate program appropriately designed for their professional interests.

Minors

Ethics Minor

The Ethics minor is intended to provide students of diverse major fields of study a way to focus and develop their interest in ethics both by offering them a core of courses essential to an understanding of the field of ethics and by advising them in the selection of courses that enable them to develop depth and detail in theoretical, professional and applied ethics.

Required

Study of Religion:		3
RELS 3500	Religion and Ethics	
Philosophy:		3
PHIL 2500	Ethics	
Select one of the following:		3
Study of Religion:		
RELS 1020	Religions of the World	
RELS 1510	Religion, Ethics, and Film	
Philosophy or Study of Religion:		
RELS/PHIL 1540	Ethics in Business (May also count in Applied Category or Elective (but only one))	
Philosophy:		
PHIL 1020	Philosophy: The Art of Thinking	
Select one of the following:		3
Philosophy or Study of Religion:		
RELS/PHIL 2550	Environmental Ethics (Can also count as an elective, but not as both)	
RELS/PHIL 3510/ CAP 3173	Bio-Medical Ethics (Can also count as an elective, but not as both)	
PHIL/RELS 2570	Good Sex: The Ethics of Human Sexuality (Can also count as an elective, but not as both.)	
Management:		
MGMT 3974/5974	Business, Ethics, and Society (Can also count as an elective, but not as both) *	
Electives: select one of the following:		**3**
Business:		
MGMT 3100	Legal and Social Environment of Business (Can also count as an elective, but not as both)	
Communications:		
COMM 4217/5217	Freedom of Speech	
COMM 3236/ CAP 3128	Ethics in Communication	
Special Education:		
SPED 4180/5180	Interdisciplinary Study of Disability	
History:		
HIST 4170/5170	U.S. Environmental History	
HIST 4260/5260	United States Women's History	
CAP 3131	Analysis of Social Issues	
Study of Religion:		
RELS 3140	Religion and Its Critics	
Philosophy:		
PHIL 3320	Political Philosophy	
PHIL 3610	Nietzsche, Nihilism, and Technology	
Philosophy or Study of Religion:		
RELS/PHIL 3110/ CAP 3194	Perspectives on Death and Dying	
Political Science:		
POL COMP 3125	Politics of Nonviolence	
POL THRY 3160	Classical Political Theory	
POL THRY 3161	Modern Political Theory	
Psychology:		
PSYCH 2201	Psychology of Gender *	
PSYCH 2203	Social Psychology *	

PSYCH 2404	Psychology of Human Attributes	
Sociology:		
CAP 3151	Money, Sex and Power: Theories of Race, Class and Gender	
CRIM 3314	Ethics in Crime, Law and Justice *	
Technology:		
TECH 1015	Introduction to Sustainability	
CAP 3140	Environment, Technology, and Society	
Total Hours		**15**

* *These courses have additional prerequisites as follows:
MGMT 3974/5974 has a prerequisite of MGMT 3100.
PSYCH 2201 has a prerequisite of PSYCH 1001.
PSYCH 2203 has a prerequisite of PSYCH 1001.
CRIM 3314 has a prerequisite of SOC 1000; CRIM 2022.

Philosophy Minor

Philosophy:		
PHIL 1020	Philosophy: The Art of Thinking	3
One course in the history of philosophy:		3
PHIL 2210	Dawn of Western Thought: Ancient Philosophy	
PHIL/RELS 2220	Faith and Reason: Philosophy in the Middle Ages	
PHIL 2230	The Age of Reason: Philosophy in the Renaissance and Enlightenment	
PHIL 2240	The Limits of Reason: Modern Philosophy	
Electives in philosophy (PHIL xxxx)		**12**
Total Hours		**18**

Religion Minor

Required:		
RELS 1020	Religions of the World	3
Electives: 15 hours of RELS xxxx courses		15
Total Hours		**18**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Health, Recreation and Community Services or the Office of the Registrar, which serves as the centralized registry.

Youth Work in Religious Settings Certificate

The Youth Work in Religious Settings Certificate interdisciplinary program is jointly offered by the Recreation, Tourism and Nonprofit Leadership program within the Department of Health, Recreation and Community Services and the Department of Philosophy and World Religions. The Youth Work in Religious Settings Certification Program prepares students for work in a variety of religious organizations and contexts.

Required:		
Philosophy and World Religions:		
RELS 1020	Religions of the World	3
Recreation, Tourism and Nonprofit Leadership:		
RTNL 2150	Foundations of Youth Work	3
RTNL 3120	Programming for Recreation, Tourism and Nonprofit Leadership	3
RTNL 3340	Prevention & Intervention Programs in Youth Work	3
Electives (choose two from the following):		6
RELS 1510	Religion, Ethics, and Film	
RELS/PHIL 1540	Ethics in Business	
RELS 2001	Old Testament and Other Hebrew Scriptures	
RELS 2002	New Testament and Early Christian Writings	
RELS 2100	Great Living Religions: Hinduism and Buddhism	
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	
RELS 2120	Great Living Religions: Judaism and Islam	
RELS 2130	Great Living Religions: Christianity	
RELS/PHIL 2140	Philosophy of Religion	
RELS 2220	Faith and Reason: Philosophy in the Middle Ages	
RELS/PHIL 2550	Environmental Ethics	
RELS/PHIL 2570	Good Sex: The Ethics of Human Sexuality	
RELS/PHIL 3110/ CAP 3194	Perspectives on Death and Dying	
RELS 3120	Myth and Symbol	
RELS 3140	Religion and Its Critics	
RELS 3150	Women and Christianity	
RELS/CAP 3157	Monsters, Vampires, and Religion: An Awesome Alliance	
RELS 3180	Religion and Politics: (Topics)	
RELS 3500	Religion and Ethics	
RELS/PHIL 3510/ CAP 3173	Bio-Medical Ethics	
RELS 4230/ HIST 4250/5250	Religion in America	
RELS 4490	Professional Development Seminar	
Total Hours		**18**

Department of Physics

(College of Humanities, Arts and Sciences)

www.physics.uni.edu

The Department of Physics offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Physics section in the following order:

Undergraduate Major (B.S.)

- Physics (p. 359)

Undergraduate Major (B.A.)

- Physics (p. 359)
- Physics-Teaching (p. 360)

Minors

- Data Science (p. 361) (also listed in Department of Computer Science and Department of Mathematics)
- Materials Science and Technology (p. 361) (also listed in Department of Chemistry and Biochemistry and Department of Applied Engineering & Technical Management)
- Nanoscience and Nanotechnology (p. 362)
- Physics (p. 362)

Program Certificate

- Physics Teaching (p. 362)

The Department of Physics offers major programs in two baccalaureate areas: the Bachelor of Science and the Bachelor of Arts. The B.S. Physics major is recommended for students who wish to prepare for graduate study in physics, engineering, or other sciences such as geophysics, astronomy, biophysics, or medical physics. The B.A. Physics major is ideal for a student with interdisciplinary interests who wishes to combine physics with courses from another area. The B.A. Physics-Teaching program provides students with the best qualification to teach physics in high school.

The dual-degree program in physics and engineering in cooperation with Iowa State University (ISU) is also offered. The first three years of coursework in liberal arts and physics B.S. are completed at UNI. During the fourth and fifth years, engineering courses are completed at ISU. When finished, a student will have a bachelor's degree in Physics from UNI and bachelor's degree in Engineering from ISU.

Bachelor of Science Degree Program

Emphasis-B.S. Physics Major Honors Research

Students who complete a sustained research project in physics may be invited to do Honors Research. Students must first complete 4 credit hours of PHYSICS 3000 Undergraduate Research in Physics and then 1 credit hour of PHYSICS 4990 Senior Thesis.

Physics Major

The B.S. Physics major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Note: To graduate with a B.S. degree in Physics, a student must earn an overall grade point average of at least 2.50 in all courses applied toward the major.

Required		
Mathematics:		
MATH 1420	Calculus I	4
MATH 1421	Calculus II	4
MATH 2422	Calculus III	4
Physics:		
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701	Physics I for Science and Engineering	4
PHYSICS 1702	Physics II for Science and Engineering	4
PHYSICS 2300	Physics III: Theory and Simulation	3
PHYSICS 2700	Mathematical Methods of Physics	3
PHYSICS 3000	Undergraduate Research in Physics @	2
or PHYSICS 3500	Internship in Applied Physics	
PHYSICS 3700	Physics Seminar	1
PHYSICS 4100/5100	Modern Physics	4
PHYSICS 4110/5110	Modern Physics Laboratory	2
PHYSICS 4300/5300	Introduction to Electronics	4
PHYSICS 4600/5600	Classical Mechanics	4
PHYSICS 4700/5700	Electrodynamics	4
PHYSICS 4860/5860	Computational Physics	3
PHYSICS 4900/5900	Thermodynamics and Statistical Mechanics	4
Electives		
Physics, Natural Science, or Math Electives *		4
Total Hours		**59**

* Electives must be mathematics or science courses that count toward a major of the department offering the course. Electives should be selected with the advice of an academic adviser in Physics.

@ This course meets the Bachelor of Science degree undergraduate research requirement.

Bachelor of Arts Degree Program

Physics Major

The B.A. Physics Major is suitable for students who are interested in physics but are looking for a more interdisciplinary experience than the B.S. Physics Major. Potential careers include, for example, computer science, data science, medicine, business, or law. The B.A. Physics Major requires a minimum of 120 total hours for graduation.

This includes the major requirements and electives specified below, as well as UNIFI/General Education requirements.

The B.A. Physics major has two emphases: Custom Emphasis and Data Science Emphasis. Students should choose one emphasis. Each emphasis requires completion of a common physics core, a common mathematics core and electives. The Data Science Emphasis has an additional core of data science-related courses and a required project.

Custom Emphasis

The Custom Emphasis is designed to combine a core understanding of physics with additional course work from other disciplines. The flexibility of this major makes it ideal for students interested in dual majors or one or more minors. The rigor of the program allows students to better prepare themselves for careers in any field, especially those related to science or technology. Students work with an advisor to create an individualized emphasis to best meet their needs.

Required Physics Core:		
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701	Physics I for Science and Engineering	4
PHYSICS 1702	Physics II for Science and Engineering	4
PHYSICS 2300	Physics III: Theory and Simulation	3
PHYSICS 4100/5100	Modern Physics	4
PHYSICS 4110/5110	Modern Physics Laboratory	2
Required Mathematics Core:		
MATH 1420	Calculus I	4
MATH 1421	Calculus II	4
Electives:		
Physics:		7
3000-level and above		
No more than 2 hours of PHYSICS 3000 Undergraduate Research		
Natural Sciences or Other Disciplines		9
Elective courses must count toward a major in the department that offers the course.		
Mathematics courses must be higher level than MATH 1421.		
Total Hours		**42**

Data Science Emphasis

The Data Science Emphasis integrates significant course work in physics, statistics and business analytics with electives from other areas such as Geographic Information Systems and computer programming. The goal is for students to develop broad-based skills in the analysis of data and the extraction of gainful information about a variety of systems.

Required Physics Core		
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701	Physics I for Science and Engineering	4
PHYSICS 1702	Physics II for Science and Engineering	4
PHYSICS 2300	Physics III: Theory and Simulation	3
PHYSICS 4100/5100	Modern Physics	4
PHYSICS 4110/5110	Modern Physics Laboratory	2
Required Mathematics Core		
MATH 1420	Calculus I	4
MATH 1421	Calculus II	4
Required Data Science Core		
STAT 1772	Introduction to Statistical Methods	3
STAT 4772/5772	Statistical Computing I	3
ECON 1011	Statistics for Business Analytics	3
ECON 2090	Decision Analytics	3
Required Data Science Project		
PHYSICS 3000	Undergraduate Research in Physics	1
or PHYSICS 3500	Internship in Applied Physics	
Electives		3-4
Elective requirements should be chosen from the following: (Other choices will need departmental approval)		
CS 1510	Introduction to Computing	
CS 1520	Data Structures	
GEOG 2410	Geographic Information Systems I	
GEOG 3410	Geographic Information Systems II	
ACT SCI 3780/5780	Mathematics of Finance	
STAT 3752/5752	Introduction to Probability	
STAT 3771/5771	Applied Statistical Methods for Research	
STAT 3775/5775	Introduction to Mathematical Statistics *	
Total Hours		**42-43**

* STAT 3775/5775 has the following: MATH 3752/5752 is a prerequisite; MATH 2422 is a pre-or-co-requisite.

Emphasis-B.A. Physics Major-Teaching Honors Research

Students who complete a sustained research project in physics education may be invited to do Honors Research. Students must first complete 4 credit hours of PHYSICS 3000 Undergraduate Research in Physics and then 1 credit hour of PHYSICS 4990 Senior Thesis.

Physics Major-Teaching

The B.A. Physics major in teaching requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This major leads to endorsement #156: 5-12 Physics.

Required		
Mathematics:		
MATH 1420	Calculus I	4
MATH 1421	Calculus II	4
Science and Science Education:		
SCI ED 3300/5300	Orientation to Science Teaching	4
SCI ED 4800/5800	Methods for Teaching Secondary Science or MTSS	3
Teaching:		
TEACHING 3129	Secondary and Special-Area Classroom Management	1
Physics:		
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701	Physics I for Science and Engineering	4
PHYSICS 1702	Physics II for Science and Engineering	4
PHYSICS 2300	Physics III: Theory and Simulation	3
PHYSICS 4080/5080	Resources for Teaching Physics	2
PHYSICS 4100/5100	Modern Physics	4
PHYSICS 4110/5110	Modern Physics Laboratory	2
Electives		
Physics: all 3000+ level courses		6
Mathematics or non-physics science courses from the College of Humanities, Arts and Sciences *		4
Total Hours		**46**

* Excluding all 820:xxx and mathematics below *MATH 1420*.

It is recommended that sufficient work including current curricula should be taken for licensure approval in a second area. Common teaching combinations are physics-chemistry or physics-mathematics.

Completion of this major will satisfy the requirements of the Iowa Department of Education for licensure.

Minors

Data Science Minor

The Data Science minor is an interdisciplinary program that integrates computer programming, machine learning, statistics, predictive modeling and visualization to provide students with broad based skills for extracting gainful information from data that originate from a variety of sources. A final project (ideally with corporate or non-profit partnerships) will ensure that students employ their skills to solve a real-world problem.

Statistics:		
STAT 1772	Introduction to Statistical Methods	3
STAT 4784/5784	Introduction to Machine Learning	3
Computer Science:		
CS 1510	Introduction to Computing	4
CS 2150	Computing for Data Science	3-7
or		
CS 1520 & CS 1800	Data Structures and Discrete Structures	
CS 3140/5140	Database Systems	3
Physics:		
PHYSICS 4160/5160	Data Visualization, Modeling and Simulation	3
Required Data Science Project		2-3
CS 4800	Undergraduate Research in Computer Science	
or MATH 4990	Undergraduate Research in Mathematics	
or PHYSICS 3000	Undergraduate Research in Physics	
Total Hours		**21-26**

Materials Science and Technology Minor

This is an interdisciplinary minor that is jointly offered by the Departments of Chemistry and Biochemistry, Physics, and Applied Engineering & Technical Management.

Materials science and the use of materials in technology requires the use of concepts from multiple disciplines. This interdisciplinary minor gives students the broad foundation they need to learn about the science of materials and an introduction to how these scientific principles are used in the development and application of materials in new technology. This minor is complementary preparation to a major in Chemistry and Biochemistry, Physics or Manufacturing Engineering Technology for students who are interested in working in industry or going on to advanced study in materials science.

Required:		
Choose one of the following three options: +		**5-8**
Option 1 Chemistry (8 hours)		
CHEM 1110	General Chemistry I	
CHEM 1120	General Chemistry II	
OR		
Option 2 Chemistry (5 hours)		
CHEM 1130	General Chemistry I-II	
OR		
Option 3 Chemistry/Technology (7 hours)		
CHEM 1020	Chemical Technology &	
TECH 3127	Transport Phenomena for Technologists &	
Additional requirements (all three options)		
Choose one of the following sets of Physics courses:		8
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II	
OR		
PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering	
Additional required (all three options)		
CHEM 4200/5200	Nanoscience *	3
or PHYSICS 4200/5200	Nanoscience	
TECH 2072	Engineering Materials	3

Electives (all three options) - choose one of the following:		**3-4**
Note: in order to earn the Materials Science and Technology minor, the elective course students take for the minor cannot be a required course for their primary major.		
CHEM 2110	Descriptive Inorganic Chemistry *	
CHEM 2320	Chemical Analysis #	
CHEM 4210/5210	Nanotechnology *	
or PHYSICS 4210/5210	Nanotechnology	
PHYSICS 4750/5750	Physics of Modern Materials #	
TECH 3132/5132	Metallurgy and Phase Transformation	
Total Hours		**22-26**

+ **There are additional prerequisite courses that must be taken along with the required courses in some options – choose the option that aligns with the courses for your major.**
Prerequisites for TECH 3127: TECH 1024; MATH 1150 or MATH 1420.
Prerequisite or corequisites for PHYSICS 1701: MATH 1420.
Prerequisite or corequisites for PHYSICS 1702: MATH 1421.

* Students who have declared a Materials Science and Technology Minor may take these courses after completing CHEM 1020 Chemical Technology and TECH 3127 Transport Phenomena for Technologists in place of the usual CHEM 1120 General Chemistry II prerequisite.

& These courses are taken by students in the Manufacturing Engineering Technology major.

Prerequisite for CHEM 2320: CHEM 1120 or CHEM 1130.
Prerequisite for PHYSICS 4750/5750: PHYSICS 4100/5100 and PHYSICS 4110/5110.

Nanoscience and Nanotechnology Minor

Required		
Chemistry and Biochemistry:		5-8
Select one of the following:		
CHEM 1110 & CHEM 1120	General Chemistry I and General Chemistry II	
CHEM 1130	General Chemistry I-II	
Physics:		
PHYSICS 1511	General Physics I	4
or PHYSICS 1701	Physics I for Science and Engineering	
PHYSICS 1512	General Physics II	4
or PHYSICS 1702	Physics II for Science and Engineering	
PHYSICS 4200/5200	Nanoscience	3
or CHEM 4200/5200	Nanoscience	
PHYSICS 4210/5210	Nanotechnology	3
or CHEM 4210/5210	Nanotechnology	
Total Hours		**19-22**

Physics Minor

Required		
Physics:		
Select one of the following:		8
PHYSICS 1511 & PHYSICS 1512	General Physics I and General Physics II (required)	
PHYSICS 1701 & PHYSICS 1702	Physics I for Science and Engineering and Physics II for Science and Engineering (required)	
Electives:		**12**
Physics:		
3000-level electives in Physics, with no more than 3 hours earned in the following: *		
PHYSICS 3000	Undergraduate Research in Physics (and/or)	
PHYSICS 4450/5450	Laboratory Projects	
Total Hours		**20**

* See course descriptions to reference 4-digit numbers associated with these 3000-level courses.

Program Certificate

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following certificates, contact the Department of Physics or the Office of the Registrar, which serves as the centralized registry.

Physics Teaching Certificate

Completion of the certificate for the majors mentioned in the electives section below meets the requirements of endorsement #156: 5-12 Physics.

Required:		
Physics:		
PHYSICS 1511	General Physics I	4
or PHYSICS 1701	Physics I for Science and Engineering	
PHYSICS 1512	General Physics II	4
or PHYSICS 1702	Physics II for Science and Engineering	
PHYSICS 4080/5080	Resources for Teaching Physics	2
Science Education:		
SCI ED 3300/5300	Orientation to Science Teaching	4
Electives chosen from the following:		3-5

Elective hours vary by major program. Mathematics Teaching majors and Chemistry Teaching majors must select three hours from the following; other secondary science teaching majors including Comprehensive Secondary Science Teaching, Middle Level Science Teaching Dual, Biology Teaching, and Earth Science Teaching must select five hours from the following:

PHYSICS 1100	First-Year Projects in Physics	
PHYSICS 2300	Physics III: Theory and Simulation	
PHYSICS 3000	Undergraduate Research in Physics *	
PHYSICS/TECH TEE 3030	Robotics and Sensors	
PHYSICS 4050/5050	Optical Science	
PHYSICS 4100/5100	Modern Physics	
PHYSICS 4110/5110	Modern Physics Laboratory	
PHYSICS 4200/5200	Nanoscience	
PHYSICS 4210/5210	Nanotechnology	
PHYSICS 4290/5290	Project Lead The Way: Digital Electronics	
PHYSICS 4300/5300	Introduction to Electronics	
Total Hours		**17-19**

* A maximum of 2 hours are allowed.

Department of Political Science

(College of Social and Behavioral Sciences)

www.uni.edu/polisci

The Department of Political Science offers the following undergraduate programs and program certificates. Specific requirements for these programs are listed within this Department of Political Science section in the following order:

Undergraduate Majors (B.A.)

- Political Communication (p. 363) (also listed in Department of Communication and Media)
- Political Science-Liberal Arts (p. 364)
- Public Administration (p. 364)

Minors

- International Affairs-Liberal Arts (p. 365)
- Legal Studies (p. 366)
- Political Science-Liberal Arts (p. 366)
- Public Administration (p. 366)

Graduate Majors (M.P.P.)

- Master of Public Policy (p. 367)

Program Certificates

- International Peace and Security (p. 367)
- Public Personnel & Human Resources (p. 368)
- State and Local Government (p. 368)

Bachelor of Arts Degree Programs

Political Communication Major

The Political Communication major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required core		
Communication and Media:		
COMM 4211/5211	Rhetoric and Civic Culture	3
COMM 4216/5216	Political Communication	3
or POL AMER 4160/	Political Communication	
COMM 4444/5444	Communication, Community, and Change	3
COMM COR 1010	Mass Communication and Society	3
Political Science:		
POL AMER 1014	Power & Politics in the U.S. *	3
POL AMER 3112	Campaigns and Elections	3
POL AMER 3150	Public Opinion and Voting Behavior	3
Methodology:		
Select one of the following from Communication and Media/Political Science:		3
COMM COR 2020	Communication Research Methods *	
COMM 4023/5023	Rhetorical Research Methods *	
POL GEN 2010	Analyzing Politics	
Internship in Communication and Media/Political Science:		**3**
COMM 3900/5900	Internship in Communication	
POL GEN 3181	Internship in Politics *	
Electives (choose two courses from Communication and Media and two courses from Political Science from the following list):		**12**
Communication and Media:		
COMM 2257	Argumentation and Debate *	
COMM 3055	Organizational Communication *	
COMM 4217/5217	Freedom of Speech	
COMM 4218	Persuasion	
COMM 4333/5333	Communication and Conflict Management *	
COMM 4344/5344	Intercultural Communication	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
COMM 4544/5544	Digital Culture and Communication	
COMM DM 1611	Media and Power	

COMM DM 4630/563	Digital Media Law and Ethics	
COMM DM 4644/5644	Global Media	
COMM PR 1811	Principles of Public Relations *	
Political Science:		
POL AMER 2131	American State Politics	
POL AMER 3132	Community Politics	
POL AMER 3134	Congress: The First Branch *	
POL AMER 3144	Civil Rights and Liberties	
POL AMER 3151	Modern Presidency *	
POL AMER 3166	Political Parties and Interest Groups *	
POL AMER 4143/514	Citizen Participation and Civic Engagement	
POL AMER 4177/5177	Political Psychology	
POL INTL 3126	Human Rights	
POL INTL 3143	International Law	
Total Hours		**39**

* *Choice of courses and subsequent prerequisites may increase the length of this program. These courses have additional prerequisites as follows:
POL AMER 1014 satisfies the Human Condition: Domestic UNIFI requirement.
COMM COR 2020, COMM 2257, and COMM 3055 have prerequisite of COMM 1000. COMM 1000 satisfies the Oral Communication UNIFI requirement.
POL GEN 3181 has prerequisites of POL GEN 2010; 15 hours of Political Science, Political Communication, or Public Administration major.
COMM 4023/5023 has prerequisite of COMM COR 2020 but will be waived for Political Communication majors.
COMM 4333/5333 has a prerequisite of COMM 2344.
COMM DM 4612/5612 has prerequisite of COMM COR 2020 or consent of instructor.
COMM DM 4644/5644 has prerequisite of COMM COR 1010.
COMM PR 1811 has prerequisites of COMM 1000 and ENGLISH 1005. COMM 1000 satisfies the Oral Communication UNIFI requirement.
POL AMER 3134, POL AMER 3151, and POL AMER 3166 have prerequisite of POL AMER 1014.
POL AMER 1014 satisfies the Human Condition: Domestic UNIFI requirement.

Political Science Major-Liberal Arts

The Political Science-Liberal Arts major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Political Science:		
POL GEN 2010	Analyzing Politics	3
POL THRY 1050	Introduction to Political Theory: Freedom, Justice and Power	3
POL AMER 1014	Power & Politics in the U.S. *	3
POL INTL 1024	International Relations *	3
POL COMP 1040	Comparative Politics	3
Students must take at least one upper-level course in each of the four sub-fields of political science:		
Political Theory [POL THRY 3xxx/4xxx]		3
American Politics [POL AMER 3xxx/4xxx]		3
International Relations (POL INTL 3xxx/4xxx]		3
Comparative Politics [POL COMP 3xxx/4xxx]		3
Students must take one Senior Seminar in Political Science:		
POL GEN 3184	Senior Seminar in Political Science	3
Electives in political science (POL AMER, POL COMP, POL GEN, POL INTL, POL THRY)		**9**
Total Hours		**39**

Note: Not more than 9 semester hours of political science taken within the International Affairs minor or Legal Studies minor may also be counted for credit on this major.

* POL AMER 1014 satisfies the Human Condition (Domestic) UNIFI/General Education requirement.
POL INTL 1024 satisfies the Human Condition (Global) UNIFI/General Education requirement.

Public Administration Major

The Public Administration major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Students may want to consider pairing this major with various certificates available, such as the Certificate in State and Local Government, Certificate in Public Personnel and Human Resources, and Nonprofit Management Certificate.

Required:

POL AMER 1014	Power & Politics in the U.S.	3
POL AMER 1048	Current and Emerging Issues in Public Administration	3
POL AMER 3153	Leadership and Management in Public Service	3
POL AMER 3172	Public Budgeting	3
POL AMER 4173	Politics and Public Policy	3
POL AMER 4188/5188	Seminar in Public Administration	3
POL GEN 2010	Analyzing Politics	3
POL GEN 3111	Politics and Statistics	3
or SOC SCI 2020	Social Sciences Statistics	
POL GEN 3181	Internship in Politics	3-8
Electives (9 hours from the following)		9
Political Science:		
POL AMER 2131	American State Politics	
POL AMER 3112	Campaigns and Elections	
POL AMER 3132	Community Politics	
POL AMER 3151	Modern Presidency	

POL AMER 3174	Management of Public Human Resources *	
or RTNL 3110	Management and Human Resources in Recreation, Tourism and Nonprofit Leadership	
POL AMER 4130/5130	Iowa Politics	
POL AMER 4176/5176	Topics in Public Policy	
Economics:		
ECON 1041	Principles of Macroeconomics	
ECON 1051	Principles of Microeconomics *	
ECON 3221/5221	Public Finance *	
ECON 3229/5229	Cost-Benefit Analysis *	
ECON 3253/5253	Urban and Regional Economics *	
Total Hours		**36-41**

Note: Not more than 12 semester hours of political science taken for the Public Administration major can also be counted toward a Political Science major.

* POL AMER 1014 satisfies the Human Condition (Domestic) UNIFI/General Education requirement. ECON 3221/5221, ECON 3229/5229,and ECON 3253/5253 have prerequisites of ECON 1041 and ECON 1051. ECON 1041 satisfies the Quantitative Reasoning UNIFI/General Education requirement. ECON 1051 has prerequisite of ECON 1041. POL AMER 3174 has prerequisites of POL AMER 1014 or POL AMER 1048.

Minors

International Affairs Minor-Liberal Arts

The International Affairs minor is composed of 18 hours in political science and related disciplines. It allows students to explore their interests in politics around the globe and helps prepare them to live and work in an increasingly interconnected world. The requirements are as follows:

Required		
Political Science:		
POL INTL 1024	International Relations *	3
POL COMP 1040	Comparative Politics	3
Select at least two of the following:		6
Political Science:		
POL COMP 3121	Terrorism and Insurgency	
POL COMP 3123	Nationalism	
POL COMP 3125	Politics of Nonviolence	
POL INTL 3120	International Security	
POL INTL 3126	Human Rights	
POL INTL 3127	United States Foreign Policy	
POL INTL 3143	International Law	
POL INTL 3145	International Organizations	
POL INTL 3119	Politics of the Global Economy	
POL INTL 3125	Politics of International Development	
Select two of the following, any additional electives from the courses listed above, or those listed below: **		6
Communication:		
COMM 4344/5344	Intercultural Communication	
Journalism:		
COMM DM 4644/5644	Global Media	
French:		
FREN 3011/5011	Business French ^	
FREN 4014/5014	The World of French Business ^	
FREN 4021/5021	Special Topics in Language and Culture ^	
Spanish:		
SPAN 3020	Latin American Culture and Civilization ^	
SPAN 3023	Culture and Civilization of Spain ^	
Economics: ^		
ECON 3249/5249	Economic Development ^	
History:		
HIST 4520/5520	Europe from World War I to the Present	
HIST 4660/5660	History of Imperial Russia	
HIST 4670/5670	History of Soviet Russia	
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	
HIST 4680/5680	Military History from Napoleon to the Present	
HIST 4720/5720	Modern Latin American History	
HIST 4740/5740	Modern African History	
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE	
HIST 4860/5860	Modern Chinese History	
Geography:		
GEOG 2450	Regional Geography: (Variable Topic)	
Sociology/Anthropology:		
ANTH 3001	Language and Culture ^	
Total hours ***		18

* POL INTL 1024 satisfies the Human Condition (Global) UNIFI/General Education requirement.

** This requirement may also be met by an internship approved by the Department of Political Science. Furthermore, students who have successfully completed four semesters at the college level of any foreign language, with at least a 2.00 GPA, or demonstrate an equivalent competency level can apply three credit hours toward the fulfillment of this requirement.

*** No more than 9 hours of political science for this minor can also be counted toward a major in political science.

^ These courses have additional prerequisites as follows:
COMM DM 4644/5644 has prerequisite of COMM COR 1010.
FREN 3011/5011, FREN 4014/5014, and FREN 4021/5021 have prerequisite of FREN 3001/5001.
SPAN 3020 and SPAN 3023 have prerequisite of SPAN 3001 or SPAN 3050/5050.
ECON 1041 and ECON 1051 are prerequisites to all 100/2000/3000/4000-level economics courses.
ANTH 3001 has prerequisite of PSYCH 1001 or SOC 1000 or ANTH 1002. SOC 1000 satisfies the Human Condition (Domestic) UNIFI/General Education requirement. ANTH 1002 satisfies the Human Condition (Global) UNIFI/General Education requirement.

Note: Choice of courses and subsequent course prerequisites may increase the length of this program.

Legal Studies Minor

The Legal Studies minor encourages students to study legal institutions, norms and traditions and to analyze how they interact with society, culture, economics, politics and policy. The program equips students with the ability to comprehend and critically evaluate written arguments, to make one's own arguments and support them with evidence and logical reasoning, and to communicate effectively, both orally and in writing.

Required:		
PHIL 3370	Philosophy of Law	3
POL AMER 2147	Law, Politics, and Society	3
Electives: choose one course from each of the following groups, plus two additional courses from any of the groups:		15
Elective Group 1: Foundation of Law and the American Legal System		
HIST 4110/5110	American Colonial History	
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688	
PHIL 1030	Elementary Logic	
PHIL 3320	Political Philosophy	
POL AMER 3141	Constitutional Law	
Elective Group 2: Rights, Liberties and Justice		
COMM 4217/5217	Freedom of Speech	
COMM DM 4630/5630	Digital Media Law and Ethics	
CRIM 3225	Criminal Court System	
CRIM 3500	Advanced Criminal Procedure	
POL AMER 3144	Civil Rights and Liberties	
RELS 3200	Religion and Law	
Elective Group 3: Law, Politics and Society		
ECON 3231/5231	Law and Economics	
FAM SERV 3162/5160	Issues in Family Policy	
MGMT 3101	Business Law	
MGMT 3905/5905	Employment and Labor Law	
POL AMER 3146	Judicial Politics and Policy-making	
POL INTL 3143	International Law	
PSYCH 2302	Psychology and Law	
Total Hours		**21**

Note: Choice of courses and subsequent course prerequisites may increase the length of this program.

Note: Not more than nine (9) semester hours of political science for this minor can count toward a major in Political Science.

Political Science Minor-Liberal Arts

Required		
Political Science:		
POL GEN 2010	Analyzing Politics	3
POL THRY 1050	Introduction to Political Theory: Freedom, Justice and Power	3
POL AMER 1014	Power & Politics in the U.S. *	3
POL INTL 1024	International Relations *	3
POL COMP 1040	Comparative Politics	3
Electives in political science (POL AMER, POL COMP, POL GEN, POL INTL, POL THRY)		**3**
Total Hours		**18**

* POL AMER 1014 satisfies the Human Condition (Domestic) UNIFI/General Education requirement. POL INTL 1024 satisfies the Human Condition (Global) UNIFI/General Education requirement.

Note: Not more than 9 semester hours of political science taken within the International Affairs minor or Legal Studies minor may also be counted for credit on a political science major or minor.

Public Administration Minor

Required:		
POL AMER 1014	Power & Politics in the U.S.	3
POL AMER 1048	Current and Emerging Issues in Public Administration	3
POL AMER 3153	Leadership and Management in Public Service	3
POL AMER 3172	Public Budgeting	3
POL AMER 4173	Politics and Public Policy	3
POL GEN 3111	Politics and Statistics	3
or SOC SCI 2020	Social Sciences Statistics	
Select One of the Following:		3
POL AMER 2131	American State Politics	
POL AMER 3132	Community Politics	
POL AMER 4130/5130	Iowa Politics	
Total Hours		**21**

Not more than nine (9) semester hours of political science for this minor can count toward a major in Political Science.

* POL AMER 1014 satisfies Category 5B of the Liberal Arts Core and the Human Condition: Domestic UNIFI requirement.

Master of Public Policy Degree Program

The mission of the University of Northern Iowa's Master of Public Policy (MPP) program is to enhance the public service values of emerging and mid-career public service professionals and equip them with the knowledge and skills needed to analyze, develop, and evaluate public policy and affairs at all levels of government. We expect our graduates to: value accountability and transparency as integral to responsible stewardship of the public trust; be able to assess the ethical implications of policy decisions and incorporate those considerations into their professional work; be able to differentiate between efficiency and effectiveness in evaluating policy alternatives; and demonstrate respect, equity and fairness in their dealings with fellow public servants and diverse communities.

The MPP program is an online professional interdisciplinary degree program providing specialized and advanced training for students wishing to assume roles as policy analysts, principally in the governmental and nonprofit sectors of society. Courses in this program are offered using a combination of Zoom, an interactive video conferencing system, on Tuesday evenings and online via eLearning, a Blackboard learning management system. Courses meeting in the fall and spring semesters are taught in eight-week modules and summer courses will be six weeks in length. The program is designed to be completed in two years (eight semesters and two summers).

Students interested in this program submit a completed Application for Admission to Graduate Study. Complete undergraduate transcripts are required for admission review, as are a personal statement resume, and two letters of recommendation. The Graduate Record Examination (General Test) **is not** required for admission to the program. Admission to the MPP program is competitive. For more information about the program, visit https://continuinged.uni.edu/distance/public-policy or email the Program Coordinator, Professor Chris Larimer at christopher.larimer@uni.edu.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

The M.P.P. is available on the **non-thesis** option only, and requires **37 semester hours**. **A minimum of 13 hours of 6000-level course work is required**. As part of PUBPOL 6299, students must defend their research to the instructor and reader.

Required		
Public Policy:		
PUBPOL 6260	Policy Analysis: Methods and Approaches	3
PUBPOL 6204	Program Evaluation in Public Policy	3
PUBPOL 6275	Quantitative Methods for Politics and Policy	3
PUBPOL 6230	Ethics in Public Policy	3
PUBPOL 6276	Advanced Methods for Public Policy	3
PUBPOL 6280	Capstone: Policy Practicum	3
PUBPOL 6285	Readings in Public Policy	1
PUBPOL 6299 Research		3
Economics:		
POL AMER 5171	Public Budgeting and Financial Management	3
or ECON 3221/5221	Public Finance	
Political Science:		
POL AMER 5154	Public Service Leadership and Management	3
POL AMER 4176/5176	Topics in Public Policy (enroll 2 times)	6
Internship:		
PUBPOL 6281	Internship in Public Policy	3
Total hours		37

Topics in Public Policy explores the latest developments in the field of public policy research. Ongoing policy issues may be used as examples to illustrate theoretical developments or to introduce applications of course material. Must be repeated two times under different topics.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Political Science or the Office of the Registrar, which serves as the centralized registry.

Certificate in International Peace and Security

The Certificate in International Peace and Security is designed to provide a specialized and in-depth knowledge of theories, concepts and evidence about issues of conflict and peace in world politics. Students will develop analytical and practical skills on matters of diplomacy and conflict resolution, coupled with a breadth of understanding about contemporary issues, about the different types and forms of international violence that exist, as well as the causes of and solutions to such conflict.

If your career goals are in foreign service, public or private sector conflict mediation, international business and risk assessment, homeland security or military service, this certificate program will be an invaluable benefit to your education. Any student seeking advanced study in international security, or who wishes to foster peace and understand war, is eligible and will find this intensive program rewarding.

Required		
International Relations core:		
POL INTL 1024	International Relations *	3
POL INTL 3120	International Security	3
Electives		
Select a minimum of 9 hours from the following:		9
Communication:		

COMM 4344/5344	Intercultural Communication	
International Relations:		
POL INTL 3127	United States Foreign Policy	
POL INTL 3143	International Law	
POL INTL 3145	International Organizations	
Comparative Politics:		
POL COMP 3121	Terrorism and Insurgency	
POL COMP 3125	Politics of Nonviolence	
History:		
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	
HIST 4680/5680	Military History from Napoleon to the Present	
Sociology:		
SOC 3090	Conflict Resolution	
Total Hours		**15**

* POL INTL 1024 satisfies the Human Condition (Global) UNIFI/General Education requirement.

Certificate in Public Personnel & Human Resources

The Certificate in Public Personnel and Human Resources is designed to provide a specific set of skills to students who would like to pursue careers in public settings (federal, state, or local government) or non-profit agencies related to the management of personnel and human resources. This certificate especially compliments the Public Administration major, but is also suitable for students who want to work in public agencies such as school administration, city management, public health, social services, or public safety.

Required:

Political Science:		
POL AMER 1014	Power & Politics in the U.S.	3
POL AMER 1048	Current and Emerging Issues in Public Administration	3
POL AMER 3174	Management of Public Human Resources	3
Psychology:		
PSYCH 1001	Introduction to Psychology	3
PSYCH 3304	Work Psychology: Well-Being	3
Electives (select a minimum of 3 hours from the following):		3
Recreation, Tourism and Nonprofit Leadership:		
RTNL 3337	Human Resource Development for Recreation, Tourism and Nonprofit Leadership	
Management:		
MGMT 3153	Organizational Management	
Political Science:		
POL AMER 4173	Politics and Public Policy	
Psychology:		
PSYCH 3305	Work Psychology: Performance	
Social Work:		
SW 4163	Diversity and Difference *	
Total Hours		**18**

* * These courses have additional prerequisites as follows: SW 4163 has a prerequisite of SOC 1000. SOC 1000 satisfies the Human Condition (Domestic) UNIFI/General Education requirement.

** POL AMER 1014 satisfies the Human Condition (Domestic) UNIFI/General Education requirement.

Certificate in State and Local Government

The Certificate in State and Local Government is designed to provide a specific set of skills to any student at UNI looking to work in state or local government. This certificate blends theoretical and practical knowledge to provide the flexibility to solve some of the problems facing these governments.

If your career goals include public finance, economic development, community development and planning, or state and local politics, a Certificate in State and Local Government will help link your education to your career.

A Certificate in State and Local Government will also help students who want to work in public agencies such as school administration, city management, public health, social services, or public safety.

Required

American Politics:		
POL AMER 1014	Power & Politics in the U.S. *	3
POL AMER 2131	American State Politics	3
POL AMER 3132	Community Politics	3
POL AMER 4130/5130	Iowa Politics	3
Electives		
Select minimum 3 hours from the following:		3
Economics:		
ECON 3253/5253	Urban and Regional Economics *	
Geography:		
GEOG 4170/5170	Climate Action Planning	
American Politics:		
POL AMER 3153	Leadership and Management in Public Service	
POL AMER 3172	Public Budgeting *	
POL AMER 4173	Politics and Public Policy *	
Criminology:		
CRIM 4253	Crime and Public Policy *	
Total Hours		**15**

* These courses have additional prerequisites are as follows: POL AMER 1014 satisfies the Human Condition (Domestic) UNIFI/General Education requirement.
ECON 3253/5253 has prerequisites of ECON 1041 and ECON 1051, or consent of instructor. ECON 1041 satisfies the Quantitative Reasoning UNIFI/General Education requirement.
POL AMER 3172 and POL AMER 4173 have prerequisites of POL AMER 1014 and POL AMER 1048.

POL AMER 1014 satisfies the Human Condition (Domestic) UNIFI/General Education requirement. CRIM 4253 has prerequisites of SOC 1000 and CRIM 2022. SOC 1000 will satisfy the Human Condition (Domestic) UNIFI/General Education requirement.

Department of Psychology

(College of Social and Behavioral Sciences)

www.uni.edu/psych

The Department of Psychology offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Psychology section in the following order:

Undergraduate Major (B.A.)

- Psychology (p. 369)

Minor

- Mental Health (p. 369)
- Psychology (p. 370)

Graduate Major (M.A.)

- Psychology (p. 370)

Program Certificate

- Military Psychology (p. 371)
- Work Psychology (p. 372)

PSYCH 1001 Introduction to Psychology is a prerequisite for most other psychology courses, and must be taken by all psychology majors and minors. It also counts as a UNIFI/General Education requirement.

Only courses with an earned grade of at least a C- will count toward major, minors, and program certificates.

It is possible for psychology majors to graduate with departmental honors provided they have an overall GPA of at least 3.00, a psychology GPA of at least 3.50, and complete a research project deemed worthy of honors by the department. Generally such a project is done in the context of 3 hours of PSYCH 4705/5705 Research Experience in Psychology.

Bachelor of Arts Degree Program

Psychology Major

The Psychology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required Courses		
PSYCH 1001	Introduction to Psychology	3
PSYCH 2002	Professional Preparation in Psychology	1
SOC SCI 2020	Social Sciences Statistics	3
PSYCH 3002	Research Methods *	4
Core Courses (complete 3 of 4)		**9**
PSYCH 3101	Biopsychology	
PSYCH 2202	Developmental Psychology	
PSYCH 2203	Social Psychology	
PSYCH 3505/5505	Cognitive Psychology	
Elective Courses		**18**
Any psychology course (PSYCH xxxx) may be selected as an elective.		
Total Hours		**38**

No more than six total hours of PSYCH 2701, PSYCH 3179, PSYCH 4198, PSYCH 4704/5704, and PSYCH 4705/5705 can count toward fulfilling the major requirements.

* The following courses are accepted as substitutes for PSYCH 3002 for double-majors within the College of Social and Behavioral Sciences: FAM SERV 1030, SOC 2010, SW 3185.

Minor

Mental Health Minor

The mental health field is quite interdisciplinary, served by a number of different professionals, and mental health issues arise across an array of settings. The Mental Health Minor serves the following purposes: 1) fosters interdisciplinary exposure to mental health issues, 2) provides broad preparation for those who may directly or peripherally work with mental health issues, and 3) presents different approaches to conceptualization and intervention of mental health issues.

For completion of the Mental Health Minor, the student must pass (C- or higher) 2 required courses and 4 elective courses for a total of 18 hours.

Required:		
PSYCH 1001	Introduction to Psychology	3
FAM SERV 1020	Family Relationships	3
Electives: ***		12
COUN 4100	Introduction to Professional Counseling	
CRIM 3228	Mental Health and the Criminal Justice System	
EDPSYCH 4118/5118	Mental Health and Well-Being in the Classroom	
CRIM 4371 Topics in Criminal Justice: Offender Rehabilitation		
FAM SERV 3145/5145	Violence in Intimate Relationships	
FAM SERV 3160/516	Family Assessment and Intervention **	
FAM SERV 3161/516	Families, Alzheimer's and Related Dementias	
FAM SERV 3162/516	Issues in Family Policy	
PH 2540	Selected Topics in Women's Health	
PSYCH 2401	Clinical Psychology	

PSYCH 2403	The Science and Experience of Human Flourishing	
PSYCH 3403/5403	Abnormal Psychology	
PSYCH 3603/5603	Child and Adolescent Psychopathology *	
SOC 3086/5086	Medical Sociology	
SOC 3087/5087	Society and Mental Illness	
SW 4171/5171	Addictions Treatment	
SW 3175	Child Welfare Policy and Practice	
Total Hours		**18**

* Similar child development courses could be substituted for PSYCH 3603/5603 prerequisite with consent of the instructor.

** Prerequisites for FAM SERV 3160/5160 may be waived with consent of instructor.

*** Approved and relevant mental health placements in PSYCH 3179 Cooperative Education may be accepted as an elective in the minor. Students should file an Academic Student Request form, available on the Registrar's site.

Psychology Minor

Required		
Psychology:		
PSYCH 1001	Introduction to Psychology	3
PSYCH 3002	Research Methods	4
Electives in psychology		**18**
Total Hours		**25**

Master of Arts Degree Program

Major in Psychology

Applications are not being accepted for the MA Psychology major at this time.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Psychology for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

In addition to meeting general university admission requirements, applicants are also required to submit the following for consideration:

1. a departmental application form;
2. resume or CV
3. personal statement
4. three letters of recommendation, preferably from undergraduate psychology instructors; and

The application deadline for fullest consideration for financial aid is February 1. Offers of admission will begin in February and continue on a rolling basis until all positions in the program are filled or until early May. Applications completed by April 30 will be reviewed and given consideration, but early application is strongly encouraged.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** option only for the Social Psychology track; the Clinical Science track offers a **non-thesis and a thesis** option. The major requires a **minimum of 42-43 semester hours, depending on the emphasis chosen**. **A minimum of 15 semester hours of 6000-level course work is required.**

The M.A. program in psychology consists of two traditional emphases:

1. clinical science, for students wishing to pursue doctoral-level study in clinical, counseling, or school psychology or careers as master's research coordinators or providers of psychological services in agencies or institutions;
2. social psychology, for students wishing to pursue doctoral study in social and related areas of psychology or careers as master’s level data analysts or community college instructors.

The program maintains a strong empirical, research-based orientation and seeks to: a) provide students with opportunities to develop skills in research methodology; b) gain advanced knowledge of major areas of scientific psychology; and c) obtain basic competence in skills relevant to these areas. All students are required to complete a thesis for successful completion of this program. It is expected that students in the two-year program will, except under extraordinary circumstances, have a thesis proposal approved by their advisor by the beginning of their second year of study. The program is set up so it should be completed in two full academic years and two summers. Students are strongly encouraged to finish within this time frame.

Required for all students		
Psychology:		
STAT 4772/5772	Statistical Computing I	3
PSYCH 6002	Research Design	3
Readings:		
PSYCH 6285	Readings in Psychology	2
Thesis Research:		
PSYCH 6299	Research	3
Emphasis requirements (as listed below)		**31-32**
Total Hours		**42-43**

Clinical Science Emphasis

Requirements for all students (listed above):		**11**
Required for emphasis: (32)		
Psychology:		
PSYCH 6401	Cognitive Assessment	4
PSYCH 6405	Personality Assessment	4
PSYCH 6406	Adult Psychopathology and Diagnosis	3
PSYCH 6410	Child Psychopathology and Diagnosis	3
Thesis or Internship (3 hours):		3
PSYCH 6419	Internship	
PSYCH 6299	Research	
Clinical Practicum:		

PSYCH 6425	Practicum Team (Repeated every semester for 3 hours)	12
Electives in Psychology		**3**
(determined in consultation with the Graduate Coordinator)		
The following courses are pre-approved as electives in this program:		
PSYCH 3102/5102	Drugs and Individual Behavior	
PSYCH 3104/5104	Introduction to Neurology	
PSYCH 3204/5204	Psychology of Aging	
PSYCH 3303/5303	Health Psychology	
PSYCH 3502/5502	Motivation and Emotion	
PSYCH 3505/5505	Cognitive Psychology	
PSYCH 3606/5606	Special Topics in Social Psychology	
PSYCH 4604/5604	Principles of Psychometrics	
PSYCH 4607/5607	Psychological Anthropology	
PSYCH 4608/5608	Gender in Cross-Cultural Perspective	
PSYCH 6003	Graduate Practicum in Teaching Psychology	
PSYCH 6006	Research in Psychology	
PSYCH 6201	Evolution, Brain and Social Behavior	
PSYCH 6202	Social and Cognitive Development	
PSYCH 6203	Personality	
PSYCH 6204	Advanced Social Psychology	
PSYCH 6205	Advances and Developments in Social Psychology	
PSYCH 6285	Readings in Psychology	
PSYCH 6289	Seminar	
3 hours total from:		
PSYCH 4704/5704	Practicum in Teaching Psychology	
or PSYCH 4705/57	Research Experience in Psychology	
Total Hours		**43**

Social Psychology Emphasis

Required for all students (listed above):		**11**
Required for emphasis: (31)		
PSYCH 4604/5604	Principles of Psychometrics	3
PSYCH 3606/5606	Special Topics in Social Psychology	3
PSYCH 6203	Personality	3
PSYCH 6204	Advanced Social Psychology	3
PSYCH 6206	Field Methods in Social Psychology	3
PSYCH 6006	Research in Psychology	6
PSYCH 6205	Advances and Developments in Social Psychology (1 hr. each of 4 semesters for a total of 4 hrs)	4
PSYCH 6299	Research	3
Electives in Psychology		**3**
(determined in consultation with the Graduate Coordinator)		
The following courses are pre-approved as electives in this program:		
PSYCH 3102/5102	Drugs and Individual Behavior	
PSYCH 3104/5104	Introduction to Neurology	
PSYCH 3204/5204	Psychology of Aging	
PSYCH 3303/5303	Health Psychology	
PSYCH 3502/5502	Motivation and Emotion	
PSYCH 3505/5505	Cognitive Psychology	
PSYCH 4607/5607	Psychological Anthropology	
PSYCH 4608/5608	Gender in Cross-Cultural Perspective	
PSYCH 6003	Graduate Practicum in Teaching Psychology	
PSYCH 6285	Readings in Psychology	
PSYCH 6289	Seminar	
PSYCH 6401	Cognitive Assessment	
PSYCH 6406	Adult Psychopathology and Diagnosis	
PSYCH 6410	Child Psychopathology and Diagnosis	
3 hours total from:		
PSYCH 4704/5704	Practicum in Teaching Psychology	
or PSYCH 4705/5705	Research Experience in Psychology	
Total Hours		**42**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Psychology or the Office of the Registrar, which serves as the centralized registry.

Certificate in Military Psychology

Required Courses		
MIL SCI 1091	Introduction to the Army and Critical Thinking	1
MIL SCI 1092	Introduction to the Profession of Arms	1
PSYCH 1093	Military Psychology	1
Elective Courses		12
FAM SERV 3145/514	Violence in Intimate Relationships	
PSYCH 3304	Work Psychology: Well-Being	
FAM SERV 3160/516	Family Assessment and Intervention	
PSYCH 3305	Work Psychology: Performance	
PSYCH 2401	Clinical Psychology	

PSYCH 3403/5403	Abnormal Psychology	
PSYCH 3303/5303	Health Psychology	
PSYCH 2203	Social Psychology	
SW 4171/5171	Addictions Treatment	
PSYCH 4705/5705	Research Experience in Psychology *	
Total Hours		**15**

* PSYCH 4705/5705 may be repeated up to 6 hours. PSYCH 4705/5705 can be substituted for elective courses above. Students develop a research project integrating psychology and military science. Present the results at the spring research conference, an ROTC event, or another public venue. Note – to do this the student would have to obtain a faculty advisor to chair the project. Note that PSYCH 3002 is a prerequisite for this course.

Certificate in Work Psychology

This certificate provides undergraduate students with the skills and knowledge necessary to be competitive in a professional human resources or consulting environment.

The 6000-level courses listed are available only to graduate students.

Required		
Psychology:		
PSYCH 1001	Introduction to Psychology	3
PSYCH 3304	Work Psychology: Well-Being	3
PSYCH 3305	Work Psychology: Performance	3
Electives: select three of the following:		9
Psychology:		
PSYCH 2203	Social Psychology	
PSYCH 2301	Applied Psychology	
PSYCH 3179	Cooperative Education	
PSYCH 3303/5303	Health Psychology	
PSYCH 3502/5502	Motivation and Emotion	
PSYCH 4604/5604	Principles of Psychometrics *	
Communication and Media:		
COMM 4134/5134	Organizational Cultures and Communication *	
COMM 3055	Organizational Communication *	
COMM 4155/5155	Organizational Communication Assessment *	
Political Science:		
POL AMER 1048	Current and Emerging Issues in Public Administration	
POL AMER 3174	Management of Public Human Resources *	
POL AMER 3153	Leadership and Management in Public Service	
POL AMER 4177/51	Political Psychology	
Management:		
MGMT 3153	Organizational Management *	
MGMT 3155	Human Resource Management *	
MGMT 3905/5905	Employment and Labor Law *	
MGMT 3965/5965	Organizational Behavior *	
MGMT 3966/5966	Staffing and Employee Development *	
Education:		
EDLEAD 6245	Leadership for Effective Schools	
EDLEAD 7310	Human Resource Administration	
EDLEAD 7311	Educational Leadership and Systems Change	
Recreation, Tourism and Nonprofit Leadership:		
RTNL 2020	Leadership in Leisure, Youth and Human Services	
RTNL 3337	Human Resource Development for Recreation, Tourism and Nonprofit Leadership	
RTNL 6202	Social Psychology of Leisure	
RTNL 6402	Strategic Program Management	
RTNL 6412	Management Issues in Recreation, Tourism and Nonprofit Leadership	
Technology:		
TECH 4187	Applied Industrial Supervision and Management	
TECH 3196	Industrial Safety	
Total Hours		**18**

The 6000-level and 7000-level electives are available only to graduate students.

* This course has additional prerequisites.

Regents Alternative Pathway to Iowa Licensure (RAPIL)

(Regents Collaborative Program)

https://iowateacherintern.org/

The Regents Alternative Pathway to Iowa Licensure (RAPIL) is designed to bring quality teacher preparation to eligible adult learners holding a baccalaureate degree and who have life and professional experiences to bring to today's secondary students.

All three of the Regent institution have successful, state-approved teacher education programs for traditional students. This collaborative program allows each institution to contribute essential, unique resources to an alternative pathway for adult learners. Intern candidates learn synchronously in both online and face-to-face environments outside of the typical on-campus, day-class format.

Candidates who successfully complete this state-approved preparation program will be recommended by RAPIL for an Iowa Initial teaching license, to be approved by the Iowa Board of Educational Examiners.

Applicants who are approved for admission to the program will take the courses listed below through Continuing Education at the University of Iowa. For application information: *www.iowateacherintern.org*

Course Synopsis

Fall Semester - Year 1

EDTL:3059 Introduction to Education and the Regents Alternative Pathway to Iowa Licensure Program (4 credits)

- 3 semester hours: an introduction to and foundation for the role of a professional educator, develop and understanding of the Iowa Teaching Standards
- 1 semester hour: classroom observation hours

EDTL:3060 Learning and Instruction for Today's Classrooms (3 credits)
Prerequisite: EDTL:3059

- 3 semester hours: focus on today's schools, demands of planning, and the requirements of today's teachers

EDTL:3067 Clinical Field Experience (2 credits)
Prerequisite: EDTL:3059
Corequisite: EDTL:3060

- 2 semester hours: 25 of 50 required field experience hours [281-77.10(9)]. Candidates will co-teach under the supervision of a cooperating teacher in a secondary classroom, and plan and teach a series of lessons observed by an evaluator.

Spring Semester - Year 1

EDTL:3061 Assessment for Learning (3 credits)
Prerequisite: EDTL:3060

- 3 semester hours: focus on assessment (literacy, data analysis, instructional decision-making), use of technology in the classroom, and diverse learners.

EDTL:3065 Methods in Teaching in the Secondary Classroom (3 credits)
Prerequisite: EDTL:3061

- 3 semester hours: focus on research and reflection on current educational issues while building on knowledge and understanding of exemplary educational practice.

EDTL:3068 Clinical Field Experience (2 credits)
Prerequisite: EDTL:3067
Corequisite: EDTL:3061

- 2 semester hours: 25 of 50 required field experience hours [281-77.10(9)]. Candidates will co-teach under the supervision of a cooperating teacher in a secondary classroom, and plan and teach a series of lessons observed by an evaluator.

Summer Term - Year 1

EDTL:3062 Learning Communities (3 credits)
Prerequisite: EDTL:3065

- 3 semester hours: focus on researching the context of instructional practices and student learning in the community and district in which an internship may occur. Activities will include focus areas which allow interns to successfully access resources and relationships which will enhance classroom procedures and instruction.

EDTL:3063 Creating Classrooms Conducive to Teaching and Learning (3 credits)
Prerequisite: EDTL:3065

- 3 semester hours: focus on research-based principles, concepts, and developmentally appropriate practices for creating productive learning environments; home/school communication and parent partnerships; and reflective practice.

Fall Semester - Year 2

EDTL:3064 Intern Seminar on Critical Issues in Education I (3 credits)
Prerequisite: EDTL:3063

- 3 semester hours: focus on research and reflection on current educational issues while building on knowledge and understanding of exemplary educational practice.
- Serve as teacher intern in Iowa secondary school for one academic year and receive a salary and benefits commensurate with that position.

Spring Semester - Year 2

EDTL:3064 Intern Seminar on Critical Issues in Education II (3 credits)
Prerequisite: EDTL:3063

- 3 semester hours: focus on research and reflection on current educational issues while building on knowledge and understanding of exemplary educational practice.
- Serve as teacher intern in Iowa secondary school for one academic year and receive a salary and benefits commensurate with that position.

Science Education

www.science-ed.uni.edu

Science Education is an interdepartment and intercollegiate entity within the College of Humanities, Arts, and Sciences. There is no science education department as such. Some science teaching majors are offered under the jurisdiction and general supervision of the Dean of the College of Humanities, Arts and Sciences. The responsibility for programs and courses in Science Education is delegated to the Science Education faculty under its director. Members of the Science Education faculty hold their primary appointments in the various science departments in the College of Humanities, Arts and Sciences and in the Department of Teaching in the College of Education.

The following undergraduate and graduate programs are offered in science education. Specific requirements for these programs are listed within this Science Education section in the following order:

Undergraduate Majors (B.A.)

- Comprehensive Secondary Science-Teaching (p. 374)
- Middle Level Science-Teaching (Dual) (p. 374)

Minor

- Basic Science (K-8)-Teaching (p. 375)
- STEM Education Minor (p. 375)

Graduate Major (M.A.)

- Science Education (p. 376)

Bachelor of Arts Degree Programs

Comprehensive Secondary Science-Teaching

The Comprehensive Secondary Science Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 120 hours. Because of the number of courses required for this major and course sequencing, it cannot be completed in eight semesters of normal work. It will require a longer time or additional work during summers.

This major is intended for students who wish to teach at the secondary level in all areas of science (biology, chemistry and biochemistry, earth science, and physics). The program will lead to Iowa Department of Education endorsement in Basic Science (5-12), All Science (5-12), Biology (5-12), Chemistry (5-12), Earth Science (5-12), and Physics (5-12).

Required		
Science Education:		
SCI ED 3300/5300	Orientation to Science Teaching (Teaching)	4
SCI ED 4800/5800	Methods for Teaching Secondary Science or MTSS	3
Biology:		
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3100	Evolution, Ecology and the Nature of Science	3
BIOL 3140	Genetics	4
Chemistry and Biochemistry:		
CHEM 1110	General Chemistry I	4
CHEM 1120	General Chemistry II *	4
Earth Science:		
EARTHSCI 1300	Introduction to Geology	4
EARTHSCI 1320	Earth History	4
Physics:		
PHYSICS 1511	General Physics I	4
PHYSICS 1512	General Physics II **	4
Electives from the following:		
Chemistry and Biochemistry:		7
CHEM 2040	Applied Organic and Biochemistry	
or CHEM 2210	Organic Chemistry I	
plus one 2000-level course ^		
Earth Science:		
EARTHSCI 1100	Astronomy	3
EARTHSCI 1110	Astronomy Laboratory	1
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1210	Elements of Weather Laboratory	1
Physics:		
any 2000-level course		7
Teaching		
TEACHING 3129	Secondary and Special-Area Classroom Management	1
Total Hours		**69**

* Students with excellent preparation in chemistry may substitute CHEM 1130 plus 3 hours of additional credit hours in chemistry electives for CHEM 1110 and CHEM 1120.

** Students with excellent preparation in physics and calculus may substitute PHYSICS 1701 and PHYSICS 1702 for PHYSICS 1511 and PHYSICS 1512

For completion of this major the grade point average in each of the four science disciplines must be a minimum of 2.00, with a 2.50 GPA in the major as a whole.

Elective courses must be ones that count toward the major in the discipline or be approved for this use by the department offering the course.

Notes:

1. Students with sufficient high school preparation may be allowed to omit some introductory courses and substitute other courses from the same department.
2. The mathematics prerequisite for one or more of the above courses is a working knowledge of algebra and trigonometry or MATH 1140.

Middle Level Science-Teaching (Dual)

The Middle Level Science Teaching (Dual) major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 120 hours.

Students who complete this major must also complete the Middle Level Education Dual Major – Teaching (see Department of Curriculum and Instruction). This major is for students who wish to teach at the middle school level. Students will complete subject area concentrations in science and up to three other subject area concentrations including Language Arts, Mathematics, and/or Social Studies. This major fulfills the following endorsements: Basic Science (5-12), Middle School Science (5-8) and one other Middle School subject (5-8) including Language Arts, Mathematics, or Social Studies.

The Middle-Level Science Teaching (Dual) major is waived from the 10-hour upper level requirement.

Middle Level Science Teaching Dual majors may substitute TEACHING 3129 (1 hr.) for the following Middle Level Education Dual major requirement: ELEMECML 3120 or EDPSYCH 4151/5151 (3 hrs.).

Required		
Science Education:		
SCI ED 3300/5300	Orientation to Science Teaching	4
SCI ED 4800/5800	Methods for Teaching Secondary Science or MTSS	3
Biology:		
BIOL 2051	General Biology: Organismal Diversity	4
BIOL 2052	General Biology: Cell Structure and Function	4
Chemistry and Biochemistry:		
CHEM 1110	General Chemistry I	4
CHEM 1120	General Chemistry II *	4
Earth Science:		
EARTHSCI 1200	Elements of Weather	3
EARTHSCI 1210	Elements of Weather Laboratory	1
EARTHSCI 1300	Introduction to Geology	4
Physics:		
PHYSICS 1511	General Physics I	4
PHYSICS 1512	General Physics II	4
Total Hours		**39**

* Students with excellent preparation in chemistry may substitute CHEM 1130 plus 3 hours of additional credit hours in chemistry electives for CHEM 1110 and CHEM 1120.

For completion of this major the grade point average in each of the four science disciplines must be a minimum of 2.00, with a 2.50 GPA in the major as a whole.

Notes:

The mathematics prerequisite for one or more of the above courses is a working knowledge of algebra and trigonometry or MATH 1130 or MATH 1140 .

Minor

Basic Science Minor (K-8)-Teaching

For those pursuing K-6 general classroom teacher licensure with an endorsement in Basic Science (K-8).

Required		
Curriculum and Instruction:		
ELEMECML 3100/5100	Integrating Science, Technology, Engineering, and Mathematics in the Elementary Classroom	3
Science and Science Education:		
SCI ED 1100	Inquiry into Earth and Space Science	4
SCI ED 1200	Inquiry into Life Science	4
SCI ED 1300	Inquiry into Physical Science	4
SCI ED 2300	Investigations in Physical Science	4
Biology:		
BIOL 3181	Investigations in Life Science	4
Earth Science:		
EARTHSCI 3500	Investigations in Earth and Space Sciences	4
Electives		
Chemistry and Biochemistry, or Physics:		4
Select one from the following:		
CHEM 1010	Principles of Chemistry	
PHYSICS 1400	Conceptual Physics	
Total Hours		**31**

STEM Education Minor

The STEM Education minor is designed to prepare students for careers as integrated science, technology, engineering, and mathematics teachers. This minor is especially appropriate for students planning to earn certification as an elementary or secondary educator and teach elementary and middle level math, science, and/or integrated STEM courses. This minor qualifies students for either the Iowa Grades K-8 STEM Teaching endorsement (for those holding the teacher-elementary classroom endorsement) or the Iowa Grades 5-8 STEM endorsement (for those holding a required first endorsement in mathematics, science, or technology education).

The STEM Education minor requires 34-35 total credit hours to complete, depending on course choices. This total includes courses that meet either UNIFI/General Education requirements or specified major requirements. **Options that best fit those seeking an elementary education degree are designated with a *. Options that best fit those seeking a secondary education degree are designated with a ^. Courses that are required by both elementary and secondary teaching majors are designated with a *^.** Students interested in this minor should consult with the STEM Education advisor for assistance with selecting the appropriate courses. The Director of Science Education may also be contacted for assistance.

Group 1 - STEM Education Minor Required Core Classes (13-14 hours)

Computer Science		3
CS ED 1320	Fundamentals of Programming ^	
or		
CS ED 1310	Programming Environments for Elementary Education *	
Mathematics		3
MATH 3213	Topics in Mathematics for Grades K-8 *	
or		
MATH 2313	Topics in Secondary Mathematics ^	
Science Education		3-4

ELEMECML 3100/5100	Integrating Science, Technology, Engineering, and Mathematics in the Elementary Classroom *%	
or		
SCI ED 3300/5300	Orientation to Science Teaching ^	
Technology		3
TECH TEE 1000	Introduction to Technology and Engineering Education	
Studies in STEM Experiences		1
4186/5186 Studies in STEM Experiences*^ with department options of CS 4186/5186, MATH 4186/5186, SCI ED 4186/5186, or TECH 4186/5186 (1 hour)		
Group 2 - Mathematics Content Electives [1]		**6**
MATH 1420	Calculus I ^	
MATH 1421	Calculus II ^	
MATH 2204	Mathematical Reasoning for Elementary Teachers II *	
MATH 3204	Mathematical Reasoning for Elementary Teachers III *	
MATH 3211	Algebra *	
MATH 3212	Introduction to Geometry and Measurement for Elementary Teachers *	
MATH 3214	Problem Solving in Mathematics for Elementary Teachers *	
MATH 2500	Linear Algebra for Applications ^	
MATH 3530/5530	Combinatorics ^	
MATH 3600/5600	Euclidean Geometry ^	
MATH 3610/5610	Modern Geometries ^	
MATH 3751	Probability and Statistics ^	
STAT 1772	Introduction to Statistical Methods ^	
or STAT 1774	Introductory Statistics for Life Sciences	
Group 3 - Science Content Electives [2]		**12**
BIOL 2051	General Biology: Organismal Diversity ^	
BIOL 2052	General Biology: Cell Structure and Function ^	
BIOL 3181	Investigations in Life Science *	
CHEM 1020	Chemical Technology ^	
CHEM 1110	General Chemistry I ^	
CHEM 1130	General Chemistry I-II ^	
EARTHSCI 1300	Introduction to Geology ^	
EARTHSCI 1320	Earth History ^	
EARTHSCI 3500	Investigations in Earth and Space Sciences *	
PHYSICS 1511	General Physics I ^	
PHYSICS 1701	Physics I for Science and Engineering ^	
SCI ED 2300	Investigations in Physical Science *[3]	
Group 4 - Technology Electives		**3**
TECH TEE 2020	Transportation Technology ^	
TECH TEE/ PHYSICS 3030	Robotics and Sensors ^	
TECH 3164	Programmable Logic Controllers (PLCs) ^	
CS ED 3310/5310	Teaching and Learning Programming *^	
Total Hours		**34-35**

Notes:

1	Students must earn a minimum of 12 credit hours in Mathematics to earn the endorsement, including MATH 3213 or MATH 2313 from Group 1. Additionally, the Computer Science courses, CS ED 1310 or CS ED 1320, from Group 1 count toward fulfilling the 12 hour Mathematics requirement.
2	Science content courses must include a minimum of 1 Biology, 1 Earth Science, and 1 Physics or Chemistry course.
3	SCI ED 2300 is counted as fulfilling the Chemistry or Physics requirement.
*	Course best fits those seeking an elementary education degree.
^	Course best fits those seeking a secondary education degree.
*^	Course best fits those seeking an elementary education or secondary education degree.
%	ELEMECML 3100/5100 has a prerequisite of two courses from SCI ED 1200, SCI ED 1300, and SCI ED 1100 OR approval of the instructor; junior standing.

Master of Arts Degree Program

Major in Science Education

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Science Education Chair. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

This major requires as a prerequisite a bachelor's degree (teaching degree preferred) with a major or minor/emphasis in Science or in a specific science discipline. Teacher licensure is a prerequisite for completing the program approval process for this major.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. A **minimum of 30 semester hours**, including 6 hours of SCI ED 6299 for thesis research and writing, is required for the **thesis** option; a **minimum of 30 semester hours**, including completion and in some cases public presentation of a creative component, is required for the **non-thesis** option. **A minimum of 17 hours of 6000-level course**

work is required for the thesis option. A minimum of 14 hours of 6000-level course work is required for the non-thesis option.

Required		
Measurement and Research:		
SCI ED 6500	Research Methods in Science Education	4
Science and Science Education:		
SCI ED 6600	Developing Science Curricula	2
SCI ED 6700	The History, Philosophy, and Nature of Science	3
SCI ED 6800	Teaching-Learning Models in Science Education	2
SCI ED 6900	Trends and Issues in Science Education	3
Thesis or non-thesis option research and electives		16
Total hours thesis or non-thesis option		30

Thesis Option

Research:		
SCI ED 6299	Research	6
Science content courses		6
Electives from education or science education		4
Total Hours		**16**

Non-Thesis Option

Research:		
SCI ED 6299	Research	3
Science content courses		8
Electives from education or science education		5
Total Hours		**16**

Inquiries for additional information concerning this major, including assignment of an advisor and advisory committee, should be made to the Science Education Graduate Program Coordinator.

Social Science

http://www.uni.edu/csbs/social-science-and-history-education

There is no social science department as such. The programs and the general courses in social studies are offered under the jurisdiction of the Social Science Education Committee and the general supervision of the Dean of the College of Social and Behavioral Sciences. Inquiries should be directed to the Social Science Education Coordinator, Social Science Program, College of Social and Behavioral Sciences.

The following undergraduate and graduate programs are offered in social science. Specific requirements for these programs are listed within this Social Science section in the following order:

Undergraduate Majors (B.A.)

The social science teaching major is a single program with three emphasis areas; Plan A for students planning to teach specific areas of social science, Plan B for students wishing to teach in all areas of social science, and Plan C for students wanting to teach US History, World History, American Government and one other social science area. Students should consult with the program advisor regarding the appropriate emphasis.

- Social Science-Teaching-Plan A - Specialist (p. 377)
- Social Science-Teaching-Plan B - All Social Science (p. 380)
- Social Science-Teaching-Plan C - Basic (p. 382)

Graduate Major (M.A.)

- Social Science (p. 384)

Bachelor of Arts Degree Programs

Social Science Major-Teaching - Plan A - Specialist

The Social Science Teaching major Plan A-Specialist requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 120 hours.

This major is intended for students who wish to teach three of the following social sciences: American Government, American History, Anthropology, Economics, Geography, Psychology, Sociology, and World History. Because of the number of courses required for this major, it cannot be completed in eight semesters of normal work. It will require a longer time or additional work during summers.

Required		
Social Science:		
SOCSCIED 2190	Introduction to Teaching Social Studies	1
SOCSCIED 4190	Methods of Teaching Social Studies	3
Three areas of study in the social sciences are required. 15 hours in each area except Psychology which requires 16 hours. Only one field of history (American or World) may be selected. *		45-46
Total Hours		**49-50**

* Only *one* field of history (American or World) may be selected as one of the *three* areas of the major.

Students unable to meet minimum grade point requirements for full admission to the Teacher Education Program and student teaching must seek an alternative major.

American Government

Political Science		
POL AMER 1014	Power & Politics in the U.S.	3
AND		
POL INTL 1024	International Relations	3
or POL COMP 1040	Comparative Politics	
Plus 9 hours in American Government.		9
Eligible American Government courses		
POL AMER 2131	American State Politics	
POL AMER 2147	Law, Politics, and Society	
POL AMER 3112	Campaigns and Elections	

POL AMER 3132	Community Politics	
POL AMER 3134	Congress: The First Branch	
POL AMER 3141	Constitutional Law	
POL AMER 3144	Civil Rights and Liberties	
POL AMER 3146	Judicial Politics and Policy-making	
POL AMER 3150	Public Opinion and Voting Behavior	
POL AMER 3151	Modern Presidency	
POL AMER 3166	Political Parties and Interest Groups	
POL AMER 4130/51	Iowa Politics	
POL AMER 4173	Politics and Public Policy	
POL INTL 3127	United States Foreign Policy	
POL THRY 3129	American Political Thought	

American History

History

HIST 1110	United States History to the Civil War and Emancipation	3
HIST 1120	United States History since the Civil War and Emancipation	3
Plus 9 hours in American History from the following courses:		9
HIST 1010	Introduction to Historical Skills	
HIST 3010	Readings in History	
HIST 4110/5110	American Colonial History	
HIST 4130/5130	The Early Republic, 1785-1850	
HIST 4140/5140	Civil War and Reconstruction	
HIST 4150/5150	Foundations of Modern America: The United States, 1877-1929	
HIST 4160/5160	U.S. History from 1929 to 1960	
HIST 4180/5180	Recent United States History	
HIST 4200/5200	History of Iowa	
HIST 4220/5220	History of the American West	
HIST 4240/5240	History of American Thought	
HIST 4245/5245	African-American History	
HIST 4250/5250	Religion in America	
HIST 4260/5260	United States Women's History	
HIST 4270/5270	American Indian History	
HIST 4275/5275	United States Constitutional History	

Anthropology

ANTH 1001	Bones & Stones: The Science of Human Origins	3
ANTH 1002	Introduction to Cultural Anthropology	3
Plus 9 hours in Anthropology		9

Economics

ECON 1041	Principles of Macroeconomics *	3
ECON 1051	Principles of Microeconomics *	3
ECON 2112	Intermediate Microeconomic Theory	3
ECON 2122	Intermediate Macroeconomic Theory	3
Plus 3 hours in Economics **		3

* ECON 1041 **or** ECON 1031 will satisfy the Quantitative Reasoning requirement of the UNIFI/General Education program.

** Except ECON 2090, ECON 1031, ECON 1011.

Geography

GEOG 1110	Global Geography	3
GEOG 1120	Peoples, Cultures, and Environments	3
GEOG 1210	Planet Earth	3
Plus 6 hours in Geography from the following courses:		6
GEOG 1310	Digital Earth	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 3110	Economic Geography	
GEOG 2120	North American Cities	
GEOG 2240	Natural Hazards and Disasters	
GEOG 3220	Environmental Geography: Variable Topic	
GEOG 2410	Geographic Information Systems I	
GEOG 4110/5110	Cultural Geography	
GEOG 4120/5120	Demography and Population Geography	
GEOG 2450	Regional Geography: (Variable Topic)	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 2270	Science of Scenery	

Psychology

PSYCH 1001	Introduction to Psychology	3
PSYCH 3002	Research Methods	4
9 hours required in Psychology from the following courses:		9
PSYCH 2202	Developmental Psychology	
PSYCH 2203	Social Psychology	
PSYCH 3101	Biopsychology	
PSYCH 3403/5403	Abnormal Psychology	
PSYCH 3505/5505	Cognitive Psychology	

Sociology

Sociology		
SOC 1000	Introduction to Sociology	3
OR		
SOC 1060	Social Problems	3
SOC 2010	Research Methods	3
9 hours required in Sociology or Criminology from the following courses:		9
SOC SCI 2020	Social Sciences Statistics	
SOC 2030	Sociology of Families	
SOC 2040	Social Movements	
SOC 2075	The Self in Social Context	
SOC 3035/5035	Social Gerontology	
SOC 3037	Race, Ethnicity and Social Justice	
SOC 3045/5045	Social Inequality	
SOC 3050/5050	Men and Masculinities	
SOC 3060/5060	Sociology of Culture	
SOC 3070/5070	Sociological Theory	
SOC 3080/5080	Immigration and Transnationalism	
SOC 4025/5025	Quantitative Research	
SOC 4051/5051	Sociology of Gender	
CRIM 3100	Social Deviance and Control	

World History

One course from Category A, one course from Category B and one from Category C:

Category A:		
HIST 4310/5310	History of Ancient Greece	
HIST 4320/5320	History of Ancient Rome	
HIST 4330/5330	Greek and Roman Life and Culture	
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages	
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World	
HIST 4360/5360	Age of Absolutism and the Enlightenment	
HIST 4420/5420	History of Ireland	
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688	
HIST 4460/5460	History of Germany to 1648	
HIST 4480/5480	The Ancient Near East	
Category B:		
HIST 4510/5510	Europe from the French Revolution to World War I	
HIST 4520/5520	Europe from World War I to the Present	
HIST 4610/5610	English History since 1688	
HIST 4630/5630	History of Germany Since 1648	
HIST 4660/5660	History of Imperial Russia	
HIST 4670/5670	History of Soviet Russia	
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	
HIST 4680/5680	Military History from Napoleon to the Present	
HIST 4690/5690	Modern European Women's History	
Category C:		
HIST 4720/5720	Modern Latin American History	
HIST 4730/5730	African Kingdoms & Societies	
HIST 4740/5740	Modern African History	
HIST 4820/5820	Modern Middle East History	
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE	
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE	
HIST 4850/5850	Pre-Modern Chinese History	
HIST 4860/5860	Modern Chinese History	
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800	
HIST 4880/5880	The Legacy of the Samurai: Japan since 1800	
Plus 6 hours in European, Asian, Latin American and/or African history from the following courses:		6
HIST 3010	Readings in History	
HIST 4000	Senior Seminar in Advanced Historical Skills	
HIST 4310/5310	History of Ancient Greece	
HIST 4320/5320	History of Ancient Rome	
HIST 4330/5330	Greek and Roman Life and Culture	
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages	
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World	
HIST 4360/5360	Age of Absolutism and the Enlightenment	
HIST 4420/5420	History of Ireland	
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688	
HIST 4460/5460	History of Germany to 1648	
HIST 4480/5480	The Ancient Near East	
HIST 4510/5510	Europe from the French Revolution to World War I	
HIST 4520/5520	Europe from World War I to the Present	
HIST 4610/5610	English History since 1688	

HIST 4630/5630	History of Germany Since 1648
HIST 4660/5660	History of Imperial Russia
HIST 4670/5670	History of Soviet Russia
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present
HIST 4680/5680	Military History from Napoleon to the Present
HIST 4690/5690	Modern European Women's History
HIST 4720/5720	Modern Latin American History
HIST 4730/5730	African Kingdoms & Societies
HIST 4740/5740	Modern African History
HIST 4820/5820	Modern Middle East History
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE
HIST 4850/5850	Pre-Modern Chinese History
HIST 4860/5860	Modern Chinese History
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800
HIST 4880/5880	The Legacy of the Samurai: Japan since 1800

Social Science Major-Teaching - Plan B - All Social Science

The Social Science Teaching major Plan B-All Social Science requires a minimum of 120-134 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 120-134 hours.

This major leads to endorsement #186 - 5-12 All Social Sciences. It is intended for students who wish to teach in the State of Iowa in all areas of social sciences: American Government, American History, Economics, Geography, Psychology, Sociology, and World History. Area of study will count for one endorsement area. Because of the number of courses required for this major, it cannot be completed in eight semesters of normal work. It will require a longer time or additional work during summers.

Required		
Social Science:		
SOCSCIED 2190	Introduction to Teaching Social Studies	1
SOCSCIED 4190	Methods of Teaching Social Studies	3
One area of study in the social sciences is required *		57-60
Total Hours		**61-64**

* That one area requires a minimum of 15 hours. The rest of the major would complete the Iowa All-Social Studies Endorsement which is as follows: American Government (9 hours), American History (9 hours), World History (9 hours), Economics (6 hours), Geography (6 hours) Psychology (6 hours), Sociology (6)

Students unable to meet minimum grade point requirements for full admission to the Teacher Education Program and student teaching must seek an alternative major.

American Government

Political Science		
POL AMER 1014	Power & Politics in the U.S.	3
Plus 6 (or 12) hours in American Government.		6-12
Eligible American Government courses:		
POL AMER 2131	American State Politics	
POL AMER 2147	Law, Politics, and Society	
POL AMER 3112	Campaigns and Elections	
POL AMER 3134	Congress: The First Branch	
POL AMER 3141	Constitutional Law	
POL AMER 3146	Judicial Politics and Policy-making	
POL AMER 3150	Public Opinion and Voting Behavior	
POL AMER 3151	Modern Presidency	
POL AMER 3166	Political Parties and Interest Groups	
POL INTL 3127	United States Foreign Policy	

American History

HIST 1110	United States History to the Civil War and Emancipation	3
HIST 1120	United States History since the Civil War and Emancipation	3
Plus 3 (or 9) hours in American History from the following courses:		3-9
HIST 1010	Introduction to Historical Skills	
HIST 3010	Readings in History	
HIST 4110/5110	American Colonial History	
HIST 4130/5130	The Early Republic, 1785-1850	
HIST 4140/5140	Civil War and Reconstruction	
HIST 4150/5150	Foundations of Modern America: The United States, 1877-1929	
HIST 4160/5160	U.S. History from 1929 to 1960	
HIST 4180/5180	Recent United States History	
HIST 4200/5200	History of Iowa	
HIST 4220/5220	History of the American West	
HIST 4240/5240	History of American Thought	
HIST 4245/5245	African-American History	
HIST 4250/5250	Religion in America	
HIST 4260/5260	United States Women's History	
HIST 4270/5270	American Indian History	

HIST 4275/5275	United States Constitutional History	

Economics

ECON 1041	Principles of Macroeconomics *	3
ECON 1051	Principles of Microeconomics *	3
Plus 0 (or 9) hours in Economics: **		0-9

* ECON 1041 **or** ECON 1031 will satisfy the Quantitative Reasoning requirement for the UNIFI/General Education program.

** Except ECON 2090, ECON 1031, ECON 1011.

Geography

GEOG 1110	Global Geography	3
or GEOG 1120	Peoples, Cultures, and Environments	
GEOG 1210	Planet Earth	3
or GEOG 1310	Digital Earth	
Plus 0 (or 9) hours from the following		0-9
GEOG 2210	Modern Climate Change: Evidence and Predictions	
GEOG 3110	Economic Geography	
GEOG 2120	North American Cities	
GEOG 2240	Natural Hazards and Disasters	
GEOG 3220	Environmental Geography: Variable Topic	
GEOG 4110/5110	Cultural Geography	
GEOG 4120/5120	Demography and Population Geography	
GEOG 2450	Regional Geography: (Variable Topic)	
GEOG 4220/5220	Soils and Landscapes	
GEOG 4230/5230	Rivers	
GEOG 2270	Science of Scenery	

Psychology

PSYCH 1001	Introduction to Psychology	3
PSYCH 2000/3000 Level Course		3
Plus 0 (or 9) hours from the following		0-9
PSYCH 2201	Psychology of Gender	
PSYCH 2202	Developmental Psychology	
PSYCH 2203	Social Psychology	
PSYCH 2401	Clinical Psychology	
PSYCH 2404	Psychology of Human Attributes	
PSYCH 3303/5303	Health Psychology	
PSYCH 3403/5403	Abnormal Psychology	
PSYCH 3502/5502	Motivation and Emotion	
PSYCH 3505/5505	Cognitive Psychology	
PSYCH 4704/5704	Practicum in Teaching Psychology	

Sociology

Sociology/Criminology

SOC 1000	Introduction to Sociology	3
Plus 3 (or 9) hours of Sociology or Criminology from the following courses:		3-9
SOC 1060	Social Problems	
SOC 2010	Research Methods	
SOC SCI 2020	Social Sciences Statistics	
SOC 2030	Sociology of Families	
SOC 2040	Social Movements	
SOC 2075	The Self in Social Context	
SOC 3035/5035	Social Gerontology	
SOC 3037	Race, Ethnicity and Social Justice	
SOC 3045/5045	Social Inequality	
SOC 3050/5050	Men and Masculinities	
SOC 3060/5060	Sociology of Culture	
SOC 3070/5070	Sociological Theory	
SOC 3080/5080	Immigration and Transnationalism	
SOC 3090	Conflict Resolution	
SOC 4025/5025	Quantitative Research	
SOC 4051/5051	Sociology of Gender	
SOC 4071/5071	Feminist Theories in the Social Sciences	
CRIM 3100	Social Deviance and Control	

World History

One course from Category A, one course from Category B, and one from Category C

Category A:	
HIST 4310/5310	History of Ancient Greece
HIST 4320/5320	History of Ancient Rome
HIST 4330/5330	Greek and Roman Life and Culture
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World
HIST 4360/5360	Age of Absolutism and the Enlightenment
HIST 4420/5420	History of Ireland
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688
HIST 4460/5460	History of Germany to 1648
HIST 4480/5480	The Ancient Near East
Category B:	
HIST 4510/5510	Europe from the French Revolution to World War I
HIST 4520/5520	Europe from World War I to the Present
HIST 4610/5610	English History since 1688

HIST 4630/5630	History of Germany Since 1648	
HIST 4660/5660	History of Imperial Russia	
HIST 4670/5670	History of Soviet Russia	
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	
HIST 4680/5680	Military History from Napoleon to the Present	
HIST 4690/5690	Modern European Women's History	
Category C		
HIST 4720/5720	Modern Latin American History	
HIST 4730/5730	African Kingdoms & Societies	
HIST 4740/5740	Modern African History	
HIST 4820/5820	Modern Middle East History	
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE	
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE	
HIST 4850/5850	Pre-Modern Chinese History	
HIST 4860/5860	Modern Chinese History	
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800	
HIST 4880/5880	The Legacy of the Samurai: Japan since 1800	
Plus 0 (or 6) hours in European, Asian, Latin American and/or African history from the following courses:		**3-9**
HIST 3010	Readings in History	
HIST 4000	Senior Seminar in Advanced Historical Skills	
HIST 4310/5310	History of Ancient Greece	
HIST 4320/5320	History of Ancient Rome	
HIST 4330/5330	Greek and Roman Life and Culture	
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages	
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World	
HIST 4360/5360	Age of Absolutism and the Enlightenment	
HIST 4420/5420	History of Ireland	
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688	
HIST 4460/5460	History of Germany to 1648	
HIST 4480/5480	The Ancient Near East	
HIST 4510/5510	Europe from the French Revolution to World War I	
HIST 4520/5520	Europe from World War I to the Present	
HIST 4610/5610	English History since 1688	
HIST 4630/5630	History of Germany Since 1648	
HIST 4660/5660	History of Imperial Russia	
HIST 4670/5670	History of Soviet Russia	
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	
HIST 4680/5680	Military History from Napoleon to the Present	
HIST 4690/5690	Modern European Women's History	
HIST 4720/5720	Modern Latin American History	
HIST 4730/5730	African Kingdoms & Societies	
HIST 4740/5740	Modern African History	
HIST 4820/5820	Modern Middle East History	
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE	
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE	
HIST 4850/5850	Pre-Modern Chinese History	
HIST 4860/5860	Modern Chinese History	
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800	
HIST 4880/5880	The Legacy of the Samurai: Japan since 1800	

Social Science Major-Teaching - Plan C - Basic

The Social Science Teaching major Plan C-Basic requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 120 hours.

This major leads to endorsement #1861 - Social Science-Basic.

Required		
Social Science:		
SOCSCIED 2190	Introduction to Teaching Social Studies	1
SOCSCIED 4190	Methods of Teaching Social Studies	3
Completion of 27 semester hours to include 9 hours in American History, World History and American Government is required, plus 6 hours in a social science subject.		33
Total Hours		**37**

American History

HIST 1110	United States History to the Civil War and Emancipation	3
HIST 1120	United States History since the Civil War and Emancipation	3
Electives in American History (select 3 hours from the following):		3
HIST 4010/5010	Introduction to Public History	
HIST 4110/5110	American Colonial History	
HIST 4130/5130	The Early Republic, 1785-1850	
HIST 4140/5140	Civil War and Reconstruction	
HIST 4150/5150	Foundations of Modern America: The United States, 1877-1929	
HIST 4160/5160	U.S. History from 1929 to 1960	
HIST 4180/5180	Recent United States History	
HIST 4190/5190	The American Revolution and Its War	
HIST 4200/5200	History of Iowa	
HIST 4220/5220	History of the American West	
HIST 4235/5235	Popular Culture in the United States	
HIST 4240/5240	History of American Thought	
HIST 4245/5245	African-American History	
HIST 4250/5250	Religion in America	
HIST 4260/5260	United States Women's History	
HIST 4270/5270	American Indian History	
HIST 4275/5275	United States Constitutional History	
HIST 4280/5280	The American Radical Tradition	

World History

HIST 1210	Making the Modern World	3
Electives in World History (select 6 hours from the following):		6
HIST 3110	Conflict and Justice in History: (Topic)	
HIST 3210	Problems & Perspectives in Global History: (Topic)	
HIST 4310/5310	History of Ancient Greece	
HIST 4320/5320	History of Ancient Rome	
HIST 4330/5330	Greek and Roman Life and Culture	
HIST 4340/5340	Barbarians, Saints, and Pestilence: The Middle Ages	
HIST 4350/5350	Rebirth, Reform, and Rebellion: The Beginnings of the Modern World	
HIST 4360/5360	Age of Absolutism and the Enlightenment	
HIST 4420/5420	History of Ireland	
HIST 4440/5440	Kings, Heretics, Witches, and Revolutionaries: England to 1688	
HIST 4480/5480	The Ancient Near East	
HIST 4510/5510	Europe from the French Revolution to World War I	
HIST 4520/5520	Europe from World War I to the Present	
HIST 4610/5610	English History since 1688	
HIST 4640/5640	Modern Mediterranean Europe: History and Culture	
HIST 4650/5650	Modern Central and Eastern Europe	
HIST 4660/5660	History of Imperial Russia	
HIST 4670/5670	History of Soviet Russia	
HIST 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present	
HIST 4680/5680	Military History from Napoleon to the Present	
HIST 4690/5690	Modern European Women's History	
HIST 4720/5720	Modern Latin American History	
HIST 4730/5730	African Kingdoms & Societies	
HIST 4740/5740	Modern African History	
HIST 4820/5820	Modern Middle East History	
HIST 4830/5830	Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE	
HIST 4840/5840	Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE	
HIST 4850/5850	Pre-Modern Chinese History	
HIST 4860/5860	Modern Chinese History	
HIST 4870/5870	Courtiers, Warriors, and Merchants: Japan to 1800	
HIST 4880/5880	The Legacy of the Samurai: Japan since 1800	

American Government/Political Science

POL AMER 1014	Power & Politics in the U.S.	3
Electives in American Government (select 6 hours from the following):		6
POL AMER 2131	American State Politics	
POL AMER 3112	Campaigns and Elections	
POL AMER 3132	Community Politics	
POL AMER 3134	Congress: The First Branch	
POL AMER 3141	Constitutional Law	
POL AMER 3144	Civil Rights and Liberties	
POL AMER 3146	Judicial Politics and Policy-making	
POL AMER 3150	Public Opinion and Voting Behavior	
POL AMER 3151	Modern Presidency	

POL AMER 3166	Political Parties and Interest Groups	
POL AMER 4130/5130	Iowa Politics	

Students will select ONE of the following social science subject fields for 6 hours each area. Students can add more than one.

Economics

ECON 1041	Principles of Macroeconomics	3
ECON 1051	Principles of Microeconomics	3

Geography

GEOG 1110	Global Geography	3
or GEOG 1120	Peoples, Cultures, and Environments	
2000/3000 level GEOG course		3

Psychology

PSYCH 1001	Introduction to Psychology	3
2000/3000 level PSYCH course		3

Sociology

SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
Elective in Sociology		3

Master of Arts Degree Program

Major in Social Science

The M.A. program in social science is designed for individuals who have current teacher licensure and wish to enhance their content and curriculum knowledge in social sciences.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Graduate Coordinator of Social Studies, College of Social and Behavioral Sciences, for any other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **non-thesis** option only and requires a **minimum of 30 semester hours** which includes a 3-hour teaching seminar and a 3-hour research paper and project conducted in the final semester. **A minimum of 12 semester hours of 6000-level course work is required.** Students will also take graduate level classes from the following content areas: American Government, American History, Economics, Geography, Psychology, Sociology, and World History. Students may not exceed 12 hours from any one content area.

Required		
Social Studies Seminar from the College of Social and Behavioral Sciences, selected in consultation with Graduate Coordinator:		
SOC SCI 6289 Seminar		3
Research from the College of Social and Behavioral Sciences, selected in consultation with Graduate Coordinator:		
SOC SCI 6299	Research	3
Electives (may not exceed 12 hours from any one content area)		**24**
Total Hours		**30**

Department of Social Work

(College of Social and Behavioral Sciences)

www.uni.edu/csbs/socialwork

The Department of Social Work offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Social Work section in the following order:

Undergraduate Major (B.S.W.)

- Social Work (p. 384)

Minor

- Social Welfare (p. 385)

Graduate Major (M.S.W.)

- Social Work (p. 385)

Program Certificates

- Addictions Treatment (p. 387)
- Child Welfare (p. 388)

The Social Work Department at the University of Northern Iowa is accredited by the Council on Social Work Education. The undergraduate social work major prepares students for beginning level professional social work practice.

The mission of the UNI BSW in Social Work program is to prepare students for beginning generalist social work practice at the individual, family, small group, organizational and community levels while adhering to social work values and ethics. Students will learn to use research informed practice to advocate for social and economic justice. This commitment is supported by the promotion of multicultural responsiveness. Critical thinking is a fundamental component of the program that encourages students to examine challenging or opposing concepts and explore conflicting personal and professional values. Service learning requirements, to include volunteer and internship experiences, contribute to the sharing of knowledge between community partners, faculty and student.

Bachelor of Social Work Degree Program

Social Work Major

The Social Work major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements

and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required		
Prerequisites:		**12**
BIOL 1014	Life: Continuity and Change (or any BIOL course)	
Any course in UNIFI/General Education Quantitative Reasoning *		
PSYCH 1001	Introduction to Psychology	
SOC 1000	Introduction to Sociology	
or SOC 1060	Social Problems	
Social Work Required Courses:		
SOC SCI 2020	Social Sciences Statistics *	3
SW 1001	Introduction to Social Work and Social Services	3
SW 2091	Practice with Individuals	3
SW 3185	Social Work Research	3
SW 3192	Practice with Groups and Families	3
SW 4144	Social Policies and Issues	3
SW 4163	Diversity and Difference	3
SW 4164	Human Behavior and the Social Environment	3
SW 4196	Practice with Communities and Organizations	3
SW 4200	Field Instruction (11 hours required) **	11
Social Work Electives. Select at least three of the following:		**9**
SW 1041	Global Social Work	
SW 2045	American Racial and Minoritized Populations	
SW 3143	Self-Care and Stress Management in Helping Professions	
SW 3175	Child Welfare Policy and Practice	
SW 3179 Cooperative Education (3 hours)		
SW 4121	Social Work in Mental Health Settings	
SW 4171/5171	Addictions Treatment	
SW 4173/5173	Social Services for Older Adults	
SW 4193	Models of Social Work Practice	
SW 4194/5194	Seminar in Social Work ***	
Total Hours		**59**

* STAT 1772 will substitute for SOC SCI 2020.

** SW 4200 can also be taken for 4 additional credit hours on an elective basis.

*** SW 4194/5194 may be repeated on different topics.

A minimum cumulative grade point average for all college work of 2.50 is required for admission to the Social Work major. A minimum cumulative and UNI grade point average of 2.50 is required to take SW 4200. All required courses for the Social Work major require a C (2.00) or higher to count towards the major. A minimum UNI grade point average of 2.50 is required for graduation as a Social Work major.

In order to enroll in SW 4200 , a student must be a Social Work major and the following must be present: senior standing (90 or more credit hours); completion of SW 1001; SW 2091; SW 3185; SW 3192; SW 4164; statistics course; and a minimum UNI and Total Cumulative grade point average of 2.50.

Students who graduate with a major in Social Work receive a Bachelor of Social Work degree.

Minor

Social Welfare Minor

The Social Welfare Minor provides a comprehensive understanding of the social welfare system, the values behind it, and the social issues facing individuals, families, groups and communities. It provides an understanding of social welfare and social service programs, and introduces students to the wide variety of Social Work positions.

Students complete one required course and four elective courses offered by the Department of Social Work for a total of 15 credits. If a student chooses to Major in Social Work, all the courses taken for the Social Welfare Minor will apply to the Major; however, students cannot receive both a Minor in Social Welfare and a Major in Social Work at the same time. Only students who graduate with a degree in Social Work from a program accredited by the Council on Social Work Education (CSWE) are eligible to be licensed as social workers in the State of Iowa (LBSW) and can be considered for Advanced Standing in the MSW program.

Required Core Courses:		
SW 1001	Introduction to Social Work and Social Services	3
Electives (Select four courses from the following):		**12**
SW 2045	American Racial and Minoritized Populations	
SW 3175	Child Welfare Policy and Practice	
SW 4121	Social Work in Mental Health Settings	
SW 4144	Social Policies and Issues	
SW 4163	Diversity and Difference	
SW 4164	Human Behavior and the Social Environment	
SW 4171/5171	Addictions Treatment	
SW 4173/5173	Social Services for Older Adults	
Total Hours		**15**

Master of Social Work Degree

Major in Social Work

The Master of Social Work program is accredited by the Council on Social Work Education.

The Master's Degree in Social Work (M.S.W.) is available only on the **non-thesis** option. The M.S.W. program is designed to prepare students for advanced social work practice with a variety of populations across the practice continuum from direct services to policy work. There are two avenues to the M.S.W. degree: the **Foundation program**, open to persons with baccalaureate degrees in other fields from an accredited college or university, and the **Advanced Standing program**, which is available only for qualified students who have graduated from a Council on Social Work Education (C.S.W.E.) accredited baccalaureate social work program.

Trauma Informed Practice is UNI's M.S.W. specialization. In this specialization students learn an integrated approach to treating both acute and complex forms of psychological trauma. This approach includes elements from various cognitive and body-centered psychotherapies and approaches, including mindfulness, eye-movement desensitization and reprocessing (EMDR), sensorimotor psychotherapy, somatic experiencing therapy, yoga, and tai chi. The Trauma Informed Practice specialization prepares students for direct practice with individuals, groups, families, organizations and communities.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

A minimum of 20 hours of 6000-level course work is required for the two-year and the advanced standing programs.

Any 5000 level social work course or any 6000 level MSW concentration course not required on the degree will apply as an elective to the student's Plan of Study.

The **Foundation program** requires a **minimum of 60 semester hours**, which consists of a generalist Foundation Core of 23 semester hours of coursework and field, followed by the trauma informed specialization (37 semester hours) including field practicum/seminar. The program is offered in cohort groups and consists of five consecutive terms of course work and field practicum/seminar. An extended-enrollment option is available to students in the Two Year program who can attend classes at times offered (three-hour blocks) and participate in the field practicum at agencies that generally operate during regular business hours. An extended-enrollment distance education option is available for this track as well.

The **Advanced Standing program** requires a **minimum of 37 semester hours**. The program consists of three academic terms of concentration courses including field practicum/seminar. An extended enrollment option is available to Advanced Standing students who can attend classes at times offered (three-hour blocks) and participate in the field practicum at agencies that generally operate during regular business hours. An extended-enrollment distance education option is available for this track as well.

Students interested in the two-year or advanced standing program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Social Work for any other application requirements. General graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program; however, applicants may wish to submit GRE scores in support of their application.

Admission to the M.S.W. is competitive. Applicants must comply with all of the policies and procedures pertaining to admission to graduate study as set forth in this University Catalog. *In addition*, applicants are required to submit the following in order to be considered for admission.

1. The Department of Social Work M.S.W. application.
2. Three letters of reference.
3. A personal statement.
4. A resume'.
5. As part of normal admission to graduate study at UNI, official transcripts for **all post-secondary institutions** attended (with the exception of the University of Northern Iowa), must be sent directly from the college or university attended to the Office of Admissions at the University of Northern Iowa.

For information concerning admission or required courses for the M.S.W., contact the Department of Social Work, M.S.W. Program, 235 Sabin, Cedar Falls, IA 50614-0405, or phone 319-273-5910, or visit *www.uni.edu/csbs/socialwork/msw-graduate-degree*.

Required for Foundation Program:

Social Work foundation core: (for all two year students)		
SW 6212	Human Behavior and the Social Environment Micro	3
SW 6214	Social Work Practice I	3
SW 6215	Social Work Practice II	3
SW 6216	Social Work Practice with Organizations and Communities	3
SW 6278	Social Intervention: Policies and Services	3
Social Work practicum and seminar:		
SW 6220	Foundation Practicum	4
SW 6221	Foundation Practicum Seminar	4
Or students may substitute the following for SW 6220 and SW 6221:		
SW 6222	Foundation Practicum I	
SW 6223	Foundation Practicum Seminar I	
SW 6224	Foundation Practicum II	
SW 6225	Foundation Practicum Seminar II	
Total Hours		**23**

Trauma Informed Practice Specialization:

Social Work:		
SW 6218	Introduction to Social Work Research	3
SW 6234	Primary and Secondary Trauma	3
SW 6236	Diversity & Human Rights	3

SW 6246	Trauma Informed Practice I	3
SW 6248	Advocacy & Social Justice	3
SW 6249	DSM: Balancing Strengths and Differential Diagnosis	3
SW 6265	Advanced Social Work Research	3
SW 6268	Advanced Practicum I	3
SW 6269	Advanced Practicum Seminar l	2
SW 6270	Advanced Practicum II	3
SW 6271	Advanced Practicum Seminar ll	2
Or students may substitute the following for SW 6268, SW 6269, SW 6270, and SW 6271:		
SW 6266	Advanced Practicum	
SW 6267	Advanced Practicum Seminar	
***Elective to be selected in consultation with program advisor**		**6**
* Elective for the distance education program will be predetermined at enrollment.		
Total Hours		**37**

* **Any 5000-level social work course or any 6000-level MSW concentration course not required on the degree will apply as an elective to the student's Plan of Study.**

Successful applicants for admission must have a bachelor’s degree from a regionally accredited college or university with a minimum cumulative grade point average of 3.00 on a 4.00 scale for the two-year (five-term) MSW program and a minimum cumulative grade point average of 3.20 on a 4.00 scale for the one-year (three-term) Advanced Standing MSW Program. For those students who do not meet this requirement, application materials list criteria that may be considered as an alternative.

Licensure Preparation Endorsement 240 School Social Worker Birth to Age 21

University of Northern Iowa also provides an endorsement pathway for MSW graduates to apply to the Iowa Department of Education to obtain *Endorsement 240 School Social Worker Birth to Age 21*. The following courses meet the requirements for Endorsement 240:

Following courses taken within the MSW program:		
SW 6218	Introduction to Social Work Research	3
SW 6234	Primary and Secondary Trauma	3
SW 6236	Diversity & Human Rights	3
SW 6246	Trauma Informed Practice I	3
SW 6248	Advocacy & Social Justice	3
SW 6249	DSM: Balancing Strengths and Differential Diagnosis	3
SW 6265	Advanced Social Work Research	3
Practicum in an Area Education Agency setting:		
SW 6268	Advanced Practicum I	3
SW 6269	Advanced Practicum Seminar l	2
SW 6270	Advanced Practicum II	3
SW 6271	Advanced Practicum Seminar ll	2
OR students may substitute the following for SW 6268, SW 6269, SW 6270, and SW 6271:		
SW 6266	Advanced Practicum	
SW 6267	Advanced Practicum Seminar	
Students pick two of the three electives offered:		6
SPED 6240	Collaborative Consultation I: The Relationship (SPED will not be offering Masters classes until further notice) *	
SPED 6260	Special Education Law and Policy (SPED will not be offering Masters classes until further notice) *	
SPED 6285	Readings in Special Education (SPED will not be offering Masters classes until further notice.)	
Total Hours		**37**

* Satisfies the two (2) elective requirement for the M.S.W. degree.

* SPED will not be offering Masters courses until further notice.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Social Work or the Office of the Registrar, which serves as the centralized registry.

Addictions Treatment Certificate

This UNI certificate program is designed to prepare Social Work majors for the field of substance abuse treatment. To receive a UNI certificate, a student must complete the requirements for the Social Work major (including graduation with the BSW) and the specific course work and field instruction experiences as indicated.

For any student who received a previous degree and returns for the Addictions Treatment Certificate, all requirements of the certificate apply. The returning student must do Field Instruction in an inpatient or outpatient treatment program. Courses may be waived if they were completed for an earlier degree.

Required		
Social Work:		
SW 4171/5171	Addictions Treatment	3
Electives: select three of the following		**9**
SW 3175	Child Welfare Policy and Practice	
FAM SERV 3145/5142	Violence in Intimate Relationships	

FAM SERV 3160/5160	Family Assessment and Intervention	
CRIM 3228	Mental Health and the Criminal Justice System *	
FAM SERV 1020	Family Relationships	
PSYCH 3102/5102	Drugs and Individual Behavior	
Total Hours		**12**

Student will do their field placement (11-15 hours) at a site approved by the Director of Field Instruction.

* CRIM 3228 has prerequisite of CRIM 2022 or SOC 1000.

Child Welfare Certificate

Must be a major in Social Work to complete this program certificate.

Required:		
SW 3175	Child Welfare Policy and Practice	3
POL AMER 4142/5142	Problems in Juvenile and Family Law	3
SW 4200	Field Instruction *	11-15
Select two of the following:		**6**
SW 4171/5171	Addictions Treatment	
SW 4193	Models of Social Work Practice	
PSYCH 3403/5403	Abnormal Psychology	
PSYCH 3603/5603	Child and Adolescent Psychopathology	
Total Hours		**23-27**

Students will do their field placement (11-15 hours) at a site approved by the Director of Field Instruction.

*Prerequisites for SW 4200: SW 1001; SW 2091; SW 3185 SW 3185SW 3185; SW 3185; SW 3192; SW 4164; Declared Social Work major; minimum UNI and Total Cumulative GPA of 2.50; senior standing.

Department of Sociology, Anthropology, and Criminology

(College of Social and Behavioral Sciences)

www.uni.edu/sac

The Department of Sociology, Anthropology, and Criminology offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Sociology, Anthropology, and Criminology section in the following order:

Undergraduate Majors (B.A.)

- Anthropology (p. 388)
- Criminology (p. 389) and Criminal Justice (p. 389)
- Sociology (p. 391)

Undergraduate Major (B.A.S.)

- Criminal Justice (p. 393)

Minors

- Anthropology (p. 393)
- Criminology (p. 393)
- Social Justice (p. 393)
- Sociology (p. 394)

Program Certificates **(**p. 394**)**

- Sociology of Family and Life Course (p. 394)
- Sociology of Gender and Culture (p. 395)
- Sociology of Health and Development (p. 395)
- Sociology of Inequality and Inclusion (p. 395)
- Sociology of Race/Ethnicity and Immigration (p. 396)
- Crime Mapping and Analysis (p. 396) (also listed in Department of Geography)

Bachelor of Arts Degree Programs

Anthropology Major

The Anthropology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required Courses		
ANTH 1001	Bones & Stones: The Science of Human Origins	3
ANTH 1003	Bones & Stones: The Science of Human Origins Laboratory	1
ANTH 1002	Introduction to Cultural Anthropology	3
TESOL 4120/5120	Introduction to Linguistics	3
SOC SCI 2020	Social Sciences Statistics	3
Biological Anthropology Group A (select one from the following):		**3**
ANTH 3420	Forensic Anthropology	
ANTH 2430	Bioarchaeology	
Biological Anthropology Group B (select one of the following):		**3**
ANTH 3202/5202	Human Biological Variation	
ANTH 3201	Physical Anthropology: History and Theory	
Archaeology Electives (3-4 hours)		**3-4**
ANTH 2005 & ANTH 2006	Archaeology for Beginners and Archaeology for Beginners Laboratory	
or ANTH 3450	Archaeological Fieldwork	
Prehistory Electives (select one):		**3**

ANTH 2003	People of the Great Lakes	
ANTH 2300	World Prehistory and the Rise of Civilizations	
Cultural Anthropology Electives (select one from the following):		**3**
ANTH 3440/5440	Introduction to Museum Studies	
ANTH 3500	Slavery and Human Trafficking	
ANTH 3080/5080	Immigration and Transnationalism	
ANTH 3010	Climate Change, Human Migration and Conflict	
Anthropology Electives (select one ANTH course)		**3**
Total Hours		**31-32**

Criminology and Criminal Justice Major

The Criminology and Criminal Justice major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

In order to graduate with a major in Criminology, students must take at least 15 credit hours of CRIM Prefix Upper Division (3000/4000-level) courses at UNI.

Required		
SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods *	3
SOC SCI 2020	Social Sciences Statistics **	3
or PSYCH 3003	Psychological Statistics	
or STAT 1772	Introduction to Statistical Methods	
CRIM 2022	Criminal Justice System	3
CRIM 2025	Criminology	3
CRIM 4575	Senior Seminar in Criminology (Diversity Course Requirement)	3
Diversity Course Requirement		
To meet this requirement, students must complete one of the following courses: CRIM 2152, CRIM 3100, CRIM 3151, CRIM 3228, CRIM 3369, CRIM 4331/5331. Note that the class taken for the diversity requirement will also count as an elective in its respective group.		
Criminology Electives		**9**
CRIM 2127	Juvenile Delinquency	
CRIM 2152	Crime and Community (Diversity course)	
CRIM 3100	Social Deviance and Control (Diversity course)	
CRIM 3151	Crime and Social Inequality (Diversity course)	
CRIM 3319	Victimology	
CRIM 3369	Drugs and Society (Diversity course)	
CRIM 4122	Youth Gangs	
CRIM 4137	Homicide	
CRIM 4331/5331	Women, Crime and Society	
CRIM 4381	Topics in Criminology (as designated)	
CRIM 4500	Criminology Independent Study	
Criminal Justice Electives		**9**
CRIM 2500	Criminal Law and Procedure	
CRIM 2502	Report Writing in Criminal Justice	
CRIM 2504	Criminal Investigation	
CRIM 2506	Criminalistics	
CRIM 2134	Crime Analysis	
CRIM 2217	Community Corrections	
CRIM 2232	Juvenile Justice	
CRIM 3120	Collateral Consequences of Corrections	
CRIM 3179	Cooperative Education	
CRIM 3200	Communication Ethics for Criminal Justice Professionals	
CRIM 3225	Criminal Court System	
CRIM 3226	Crime and Punishment	
CRIM 3228	Mental Health and the Criminal Justice System (Diversity course)	
CRIM 3314	Ethics in Crime, Law and Justice	
CRIM 3500	Advanced Criminal Procedure	
CRIM 3400	Police and Society	
CRIM 4216	Correctional Treatment: Theory and Practice	
CRIM 4253	Crime and Public Policy	
CRIM 4300	Wrongful Convictions	
CRIM 4350	Corrections Special Topics	
CRIM 4360	Law Enforcement Special Topics	
CRIM 4371	Topics in Criminal Justice	
CRIM 4485	Criminology Internship	
CRIM 4550	Criminal Justice Independent Study	
CRIM 4585	Practical Field Experience	
Interdisciplinary Electives		**3**
ANTH 3420	Forensic Anthropology	
ANTH 3080/5080	Immigration and Transnationalism	
PSYCH 3102/5102	Drugs and Individual Behavior	
PSYCH 3403/5403	Abnormal Psychology	
POL AMER 2147	Law, Politics, and Society	
POL AMER 3144	Civil Rights and Liberties	
POL AMER 4142/5142	Problems in Juvenile and Family Law	
POL COMP 3121	Terrorism and Insurgency	
SOC 3037	Race, Ethnicity and Social Justice	

SOC 4052/5052	Childhood Inequalities	
FAM SERV 3145/5145	Violence in Intimate Relationships	
Total Hours		**39**

* Declared Psychology majors and minors may substitute PSYCH 3002 Research Methods for SOC 2010 Research Methods.

** PSYCH 3003 is a 4-hour course. PSYCH 3003 has the following prerequisites: PSYCH 1001; PSYCH 3002; one college-level mathematics course or consent of instructor.

*** ***No more than 3 credit hours of CRIM 4485, 4550, and 4585 can count toward the major. Additional hours may be taken to fulfill university elective credit hours.

Note: Students majoring in criminology should take CRIM 2022 and CRIM 2025 before taking any 3000/4000-level courses within the major.

Graduation note: In order to graduate with a major in criminology, students must achieve a total major GPA of at least 2.33.

Criminology and Criminal Justice Major: Law Enforcement Emphasis

Required		
SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods *	3
SOC SCI 2020	Social Sciences Statistics **	3
or PSYCH 3003	Psychological Statistics	
or STAT 1772	Introduction to Statistical Methods	
CRIM 2022	Criminal Justice System	3
CRIM 2025	Criminology	3
CRIM 4575	Senior Seminar in Criminology	3
Diveristy Course Requirement		
To meet this requirement, students must complete one of the following courses: CRIM 2152, CRIM 3100, CRIM 3151, CRIM 3228, CRIM 3369, CRIM 4331/5331. Note that the class taken for the diversity requirement will also count as an elective in its respective group.		
Criminology Electives		**9**
CRIM 2127	Juvenile Delinquency	
CRIM 2152	Crime and Community (Diversity course)	
CRIM 3100	Social Deviance and Control (Diversity course)	
CRIM 3151	Crime and Social Inequality (Diversity course)	
CRIM 3319	Victimology	
CRIM 3369	Drugs and Society (Diversity course)	
CRIM 4122	Youth Gangs	
CRIM 4137	Homicide	
CRIM 4331/5331	Women, Crime and Society (Diversity course)	
CRIM 4381	Topics in Criminology	
CRIM 4500	Criminology Independent Study	
Criminal Justice Electives		**9**
CRIM 2134	Crime Analysis	
CRIM 2217	Community Corrections	
CRIM 2232	Juvenile Justice	
CRIM 3120	Collateral Consequences of Corrections	
CRIM 3179	Cooperative Education	
CRIM 3225	Criminal Court System	
CRIM 3226	Crime and Punishment	
CRIM 3228	Mental Health and the Criminal Justice System	
CRIM 3314	Ethics in Crime, Law and Justice	
CRIM 4216	Correctional Treatment: Theory and Practice	
CRIM 4253	Crime and Public Policy	
CRIM 4350	Corrections Special Topics	
CRIM 4371	Topics in Criminal Justice	
CRIM 4485	Criminology Internship	
CRIM 4550	Criminal Justice Independent Study	
CRIM 4585	Practical Field Experience	
Interdisciplinary Electives		**3**
ANTH 3420	Forensic Anthropology	
ANTH 3080/5080	Immigration and Transnationalism	
POL AMER 2147	Law, Politics, and Society	
POL AMER 3144	Civil Rights and Liberties	
POL AMER 4142/514	Problems in Juvenile and Family Law	
POL COMP 3121	Terrorism and Insurgency	
PSYCH 3102/5102	Drugs and Individual Behavior	
PSYCH 3403/5403	Abnormal Psychology	
SOC 3037	Race, Ethnicity and Social Justice	
SOC 4052/5052	Childhood Inequalities	
FAM SERV 3145/514	Violence in Intimate Relationships	
Law Enforcement Electives		**9**
At least one 3-credit course must be at the 3000/4000 level.		
CRIM 2500	Criminal Law and Procedure	
CRIM 2502	Report Writing in Criminal Justice	
CRIM 2504	Criminal Investigation	
CRIM 2506	Criminalistics	
CRIM 3200	Communication Ethics for Criminal Justice Professionals	
CRIM 3400	Police and Society	
CRIM 3500	Advanced Criminal Procedure	
CRIM 4300	Wrongful Convictions	

CRIM 4360	Law Enforcement Special Topics	
Total Hours		**48**

* Declared Psychology majors and minors may substitute PSYCH 3002 Research Methods for SOC 2010 Research Methods.

** PSYCH 3003 (400:102) is a 4-hour course. PSYCH 3003 (400:102) has the following prerequisites: PSYCH 1001 (400:001); PSYCH 3002 (400:101); one college-level mathematics course or consent of instructor.

*** ***No more than 3 credit hours of CRIM 4485, 4550, and 4585 can count toward the major. Additional hours may be taken to fulfill university elective credit hours.

Criminology and Criminal Justice Major: Corrections Emphasis

Required		
SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods *	3
SOC SCI 2020	Social Sciences Statistics **	3
or PSYCH 3003	Psychological Statistics	
or STAT 1772	Introduction to Statistical Methods	
CRIM 2022	Criminal Justice System	3
CRIM 2025	Criminology	3
CRIM 4575	Senior Seminar in Criminology (Diversity Course Requirement)	3
Diversity Course Requirement		
To meet this requirement, students must complete one of the following courses: CRIM 2152, CRIM 3100, CRIM 3151, CRIM 3228, CRIM 3369, CRIM 4331/5331. Note that the class taken for the diversity requirement will also count as an elective in its respective group.		
Criminology		**9**
CRIM 2127	Juvenile Delinquency	
CRIM 2152	Crime and Community (Diversity course)	
CRIM 3100	Social Deviance and Control (Diversity course)	
CRIM 3151	Crime and Social Inequality (Diversity course)	
CRIM 3319	Victimology	
CRIM 3369	Drugs and Society (Diversity course)	
CRIM 4122	Youth Gangs	
CRIM 4137	Homicide	
CRIM 4331/5331	Women, Crime and Society (Diversity course)	
CRIM 4381	Topics in Criminology (as designated)	
CRIM 4500	Criminology Independent Study	
Criminal Justice		**9**
CRIM 2500	Criminal Law and Procedure	
CRIM 2504	Criminal Investigation	
CRIM 2506	Criminalistics	
CRIM 2134	Crime Analysis	
CRIM 2232	Juvenile Justice	
CRIM 3179	Cooperative Education	
CRIM 3225	Criminal Court System	
CRIM 3228	Mental Health and the Criminal Justice System (Diversity course)	
CRIM 3314	Ethics in Crime, Law and Justice	
CRIM 3400	Police and Society	
CRIM 3500	Advanced Criminal Procedure	
CRIM 4253	Crime and Public Policy	
CRIM 4300	Wrongful Convictions	
CRIM 4371	Topics in Criminal Justice	
CRIM 4485	Criminology Internship	
CRIM 4550	Criminal Justice Independent Study	
CRIM 4585	Practical Field Experience	
Interdisciplinary Elective		**3**
ANTH 3420	Forensic Anthropology	
ANTH 3080/5080	Immigration and Transnationalism	
PSYCH 3102/5102	Drugs and Individual Behavior	
PSYCH 3403/5403	Abnormal Psychology	
POL AMER 2147	Law, Politics, and Society	
POL AMER 3144	Civil Rights and Liberties	
POL AMER 4142/5142	Problems in Juvenile and Family Law	
POL COMP 3121	Terrorism and Insurgency	
SOC 3037	Race, Ethnicity and Social Justice	
SOC 4052/5052	Childhood Inequalities	
FAM SERV 3145/5145	Violence in Intimate Relationships	
Corrections Electives		**9**
CRIM 2502	Report Writing in Criminal Justice	
CRIM 2217	Community Corrections	
CRIM 3120	Collateral Consequences of Corrections	
CRIM 3200	Communication Ethics for Criminal Justice Professionals	
CRIM 3226	Crime and Punishment	
CRIM 4216	Correctional Treatment: Theory and Practice	
CRIM 4350	Corrections Special Topics	
Total Hours		**48**

Sociology Major

The Sociology major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements

and the following specified major requirements, plus electives to complete the minimum of 120 hours.

I. Required courses:		
SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
SOC 2000	The Sociological Career	3
SOC 2010	Research Methods	3
SOC 3070/5070	Sociological Theory	3
SOC SCI 2020	Social Sciences Statistics	3
II. Electives (no more than 6 hours may be 1000- or 2000-level)		**15**
SOC 1070	Introduction to Human Rights	
SOC 2030	Sociology of Families	
SOC 2040	Social Movements	
SOC 2075	The Self in Social Context	
SOC 3035/5035	Social Gerontology	
SOC 3037	Race, Ethnicity and Social Justice	
SOC 3045/5045	Social Inequality	
SOC 3050/5050	Men and Masculinities	
SOC 3060/5060	Sociology of Culture	
SOC/ANTH 3080	Immigration and Transnationalism	
SOC 3086/5086	Medical Sociology	
SOC 3087/5087	Society and Mental Illness	
SOC 4005/5005	Refugees and Humanitarianism	
SOC 4051/5051	Sociology of Gender	
SOC 4052/5052	Childhood Inequalities	
SOC 4071/5071	Feminist Theories in the Social Sciences	
SOC 4499/5499	Seminar in Sociology	
CRIM 3151	Crime and Social Inequality	
III. Professional Development elective:		**3**
SOC 4015/5015	Qualitative Research	
SOC 4025/5025	Quantitative Research	
SOC 4036/5036	Program and Policy Evaluation	
SOC 3179	Cooperative Education	
SOC 4198	Independent Study	
SOC 4485	Sociology Internship	
SOC 4500/5500	Theory and Practice in Applied Settings	
SOC 4501/5501	Research Experience in Sociology	
SOC 4502/5502	Readings in Sociology	
SOC 4585	Practical Field Experience	
Total Hours		**33**

Bachelor of Applied Science Degree Program

The purpose of the Bachelor of Applied Science (B.A.S.) degree is to offer educational opportunities to those students who have completed an A.A.S degree and are now seeking to complete a four-year degree. These students are often place-bound and need to take online classes while remaining a full-time employee.

Admission to the Program

Each student entering the program must have earned:

1. an Associate of Applied Science (A.A.S.) degree from an accredited institution; and

2. a minimum 2.00 grade point average; and

3. two years of relevant work experience.

Total Credit Requirements

A total of at least 120 semester hours of credit, including applicable transferable credit earned, is required for graduation. The total must fulfill the following specifications:

1. 24 hours of UNIFI/General Education classes (or 23-24 hours of Liberal Arts Core), as outlined below, of which 9 hours can be transferred in as the Written Communication, Oral Communication, and Quantitative Reasoning UNIFI categories (or LAC 1A, 1B, and 1C if on the Liberal Arts Core);

2. 6 hours of Professional Communication, as outlined below;

3. 21-30 hours of Major coursework, from one of the majors listed below;

4. 0-19 hours of elective credit, for a total of 60 semester hours of credit taken at the University of Northern Iowa.

UNIFI/General Education Requirements for B.A.S. Degree

Students must meet the following undergraduate UNIFI/General Education requirements as specified below.

Summary:	
Written Communication *	3
Oral Communication *	3
Quantitative Reasoning *	3
*BAS Students are permitted to transfer in courses equivalent to the Written Communication, Oral Communication, and Quantitative Reasoning UNIFI categories. No other classes can be applied to fulfill the UNIFI portion of the BAS degree.	
Human Condition - Global	3
Human Condition - Domestic	3
Scientific Reasoning (lab not required)	3
Human Expression	3
Responsibility	3
Total Hours	**24**

Liberal Arts Core Requirements for B.A.S. Degree:

Students must meet the following undergraduate Liberal Arts Core requirements as specified below.

Summary:	
Category 1: Core Competencies in Categories 1A (writing), 1B (speaking), and 1C (math) or transfer equivalencies*	9
*BAS students are permitted to transfer in courses equivalent to Categories 1A, 1B, & 1C. No other classes can be applied to fulfill the LAC portion of the BAS degree.	
Category 2: Civilizations & Cultures (1 course from Category 2A or 2B)	3
Category 3: Fine Arts, Literature, Philosophy & Religion (1 course from Category 3A or 3B)	3
Category 4: Natural Science & Technology (1 course from Category 4A or 4B)	3
Category 5: Social Science (1 course from Category 5A, 5B, or 5C)	3
Category 6: Capstone Experience (1 course)(2-3hours or 1 additional course from BAS LAC Category 2, 3, 4, or 5)	2-3
Total Hours	**23-24**

Professional Communication Required Courses for B.A.S. Degree

Required:		
COMM 3155	Business and Professional Oral Communication	3
ENGLISH 3770	Technical Writing in Applied Sciences	3
Total Hours		**6**

Criminal Justice Major

Courses required to have taken before enrolling in B.A.S. program, or take simultaneously with other courses in the B.A.S. program.

SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
or culture/diversity related class approved by BAS Criminal Justice major advisor.		
CRIM 2022	Criminal Justice System	3
CRIM 2025	Criminology	3
Required:		
SOC 2010	Research Methods	3
CRIM 4575	Senior Seminar in Criminology	3
Electives:		18
6 hours of any 1000, 2000, 3000, or 4000-level CRIM prefix classes		
12 hours of any upper division (3000/4000-level) CRIM prefix classes		
Total Hours		**33**

Minors

Anthropology Minor

Required		
Anthropology:		
ANTH 1001	Bones & Stones: The Science of Human Origins	3
ANTH 1003	Bones & Stones: The Science of Human Origins Laboratory	1
ANTH 1002	Introduction to Cultural Anthropology	3
Electives in Bioanthropology (select one)		**3**
ANTH 2430	Bioarchaeology	
ANTH 3201	Physical Anthropology: History and Theory	
ANTH 3202/5202	Human Biological Variation	
ANTH 3420	Forensic Anthropology	
Electives in Archaeology		**3-4**
ANTH 2005 & ANTH 2006	Archaeology for Beginners and Archaeology for Beginners Laboratory	
or ANTH 3450	Archaeological Fieldwork	
Electives in Cultural Anthropology (select one):		**3**
ANTH 3080/5080	Immigration and Transnationalism	
ANTH 3500	Slavery and Human Trafficking	
ANTH 3010	Climate Change, Human Migration and Conflict	
Total Hours		**16-17**

Criminology Minor

Required:		
Sociology:		
SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
Criminology:		
CRIM 2022	Criminal Justice System	3
CRIM 2025	Criminology	3
Electives:		
Nine hours of courses with CRIM prefix (3 hours must be at 3000/4000 level)		9
Total Hours		**18**

Social Justice Minor

Required:		
SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
SOC 4053	Social Justice Seminar *	3
Electives in Sociology:		9
SOC 1070	Introduction to Human Rights	
SOC 2040	Social Movements	
SOC 3037	Race, Ethnicity and Social Justice	

SOC 3045/5045	Social Inequality	
SOC 3060/5060	Sociology of Culture	
SOC/ANTH 3080	Immigration and Transnationalism	
SOC 3086/5086	Medical Sociology	
SOC 3087/5087	Society and Mental Illness	
SOC 4005/5005	Refugees and Humanitarianism	
SOC 4051/5051	Sociology of Gender	
SOC 4052/5052	Childhood Inequalities	
Electives: 2 classes in one of the following Focus Areas:		**6**
Focus Area 1: Intersectionalities of Race, Class, Gender and Sexualities		
COMM 4346/5346	Gender Issues in Communication	
CRIM 4331/5331	Women, Crime and Society	
HIST 4260/5260	United States Women's History	
HIST 4690/5690	Modern European Women's History	
POL GEN 4175/5175	Women in Politics	
SW 2045/ SOC SCI 1045	American Racial and Minoritized Populations	
WGS 1040	Women's and Gender Studies: Introduction	
WGS 2040	Introduction to LGBTQ Studies	
Focus Area 2: Social Inequality, Power and Privilege		
CRIM 2022	Criminal Justice System	
HIST 4280/5280	The American Radical Tradition	
PH 3330/5330	Minority Health	
POL AMER 3132	Community Politics	
POL AMER 3144	Civil Rights and Liberties	
POL COMP 3125	Politics of Nonviolence	
POL THRY 1050	Introduction to Political Theory: Freedom, Justice and Power	
SW 4163	Diversity and Difference	
Focus Area 3: Global Connections & Culture		
ANTH 3001	Language and Culture	
ANTH 3010	Climate Change, Human Migration and Conflict	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
GEOG 2210	Modern Climate Change: Evidence and Predictions	
HIST 4170/5170	U.S. Environmental History	
PH 3340/5340	International Health	
PHIL/RELS 1540	Ethics in Business	
PHIL/RELS 2550	Environmental Ethics	
POL INTL 3125	Politics of International Development	
Total Hours		**21**

* SOC 4053 has a prerequisite of SOC 1000 or SOC 1060; 6 hours from the following: SOC 3037, SOC 3060/5060, SOC 3080/5080, SOC 3086/50 or consent of instructor.

Sociology Minor

Required		
Sociology:		
SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods	3
Electives in sociology (SOC prefix)		**15**
Total Hours		**21**

Notes:

Students are advised to take Introduction to Sociology and Research Methods before taking any other sociology courses.

Not more than 9 semester hours of credit from SOC 4501/5501 , SOC 4500/5500 , SOC 4502/5502 , and SOC 4198 may be applied toward the minor, except with the approval of your advisor and department head.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Sociology, Anthropology, and Criminology or the Office of the Registrar, which serves as the centralized registry.

Certificate in Sociology of Family and Life Course

This certificate provides students with a greater understanding of the social dimensions of families across the life course, highlighting how diversity and inequality (by race and ethnicity, gender, class, sexuality, age, etc.) shape our family experiences. Courses in this area examine issues such as gender socialization, juvenile delinquency, cohabitation, marriage, parenthood, divorce, aging, and death and dying. This certificate is relevant to any student pursuing jobs related to community action, social service, public health, long term care, family counseling, program planning, community education, and policy analysis. It may also be beneficial for students interested in applying to graduate and professional schools.

Required		
Sociology:		
SOC 1000	Introduction to Sociology *	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods *	3
Select three of the following: **		9

Sociology:		
SOC 2030	Sociology of Families	
SOC 3035/5035	Social Gerontology	
SOC 4051/5051	Sociology of Gender	
Philosophy and World Religions:		
RELS/PHIL 3110	Perspectives on Death and Dying	
Criminology:		
CRIM 2127	Juvenile Delinquency ***	
Total Hours		**15**

* Students are advised to take SOC 1000 or SOC 1060 and SOC 2010 before taking any of the courses listed below.

** Students may not count any course toward more than two of the following certificates: Certificate in Sociology of Family and Life Course; Certificate in Sociology of Gender and Culture; Certificate in Sociology of Inequality; Certificate in Sociology of Race/Ethnicity and Immigration.

*** CRIM 2127 has prerequisites of CRIM 2025 and SOC 1000.

Certificate in Sociology of Gender and Culture

This program certificate offers students a deeper understanding of gender and culture in society. Classes highlight multiple perspectives, emphasizing that how gender is defined can change over time and place, and that culture can be experienced through the lens of gender. Students earning this certificate gain a well-rounded comprehension of how gender and culture interact in larger society, and can be viewed as a potential employee interested and supportive of cultural competency.

Required

Sociology:		
SOC 1000	Introduction to Sociology *	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods *	3
Select three of the following: *		9
Sociology/Anthropology:		
SOC 2075	The Self in Social Context	
ANTH 3001	Language and Culture	
SOC 3050/5050	Men and Masculinities	
SOC 3060/5060	Sociology of Culture	
ANTH 3102/5102	Culture, Disease, and Healing	
ANTH 3104/5104	Gender in Cross-Cultural Perspective	
or PSYCH 4608/56	Gender in Cross-Cultural Perspective	
SOC 4051/5051	Sociology of Gender	
Criminology:		
CRIM 4331/5331	Women, Crime and Society ***	
Total Hours		**15**

* Students are advised to take SOC 1000 or SOC 1060 and SOC 2010 before taking any of the courses listed below.

** Students may not count any course toward more than two of the following certificates: Certificate in Sociology of Family and Life Course; Certificate in Sociology of Gender and Culture; Certificate in Sociology of Inequality; Certificate in Sociology of Race/Ethnicity and Immigration.

*** Course CRIM 4331/5331 has prerequisites of SOC 1000; SOC 2010; junior standing.

Certificate in Sociology of Health and Development

The purpose of this certificate is to investigate the social and cultural forces that influence physical, mental, and emotional health and development, and inequalities in health-related problems by race and ethnicity, sex and gender, social class, ability, age, etc. Courses in this certificate will look at: the social determinants of health; health-seeking behaviors; doctor-patient interactions; health care delivery, access, and ethics; social barriers to treatment, such as stigma; isolation; criminal justice and legal issues; family problems; and domestic and global public health policy. This certificate is relevant to students with interests in health care, public health, social work, criminal justice, mental health counseling, health education, human services, family services, health advocacy, and more.

Required Courses for all Sociology Certificates:

SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods	3
***Students are advised to take SOC 1000 Introduction to Sociology or SOC 1060 Social Problems AND SOC 2010 Research Methods before taking any of the courses listed below.**		
The Sociology of Health and Development:		
Choose three courses*:		9
CRIM 2127	Juvenile Delinquency	
CRIM 3228	Mental Health and the Criminal Justice System	
SOC 2075	The Self in Social Context	
SOC 3086/5086	Medical Sociology	
SOC 3087/5087	Society and Mental Illness	
Total Hours		**15**

Certificate in Sociology of Inequality and Inclusion

This certificate provides students with a deeper understanding of how social inequalities work in today’s complex, fast-changing world--and what to do about them. Students examine how inequalities work in workplaces, schools, families, healthcare systems, the criminal justice system, and other social settings. Students learn how to ethically and morally address inequalities as citizens and leaders so that we can collectively create a more just and inclusive society.

Required Courses for all Sociology Certificates:

SOC 1000	Introduction to Sociology	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods	3
***Students are advised to take SOC 1000 Introduction to Sociology or SOC 1060 Social Problems AND SOC 2010 Research Methods before taking any of the courses listed below.**		
The Sociology of Inequality and Inclusion:		

Choose three courses*:		9
SOC 1070	Introduction to Human Rights	
SOC 3037	Race, Ethnicity and Social Justice	
SOC 3045/5045	Social Inequality	
SOC 3050/5050	Men and Masculinities	
SOC 4005/5005	Refugees and Humanitarianism	
Total Hours		**15**

Certificate in Sociology of Race/Ethnicity and Immigration

This certificate allows students to develop a rich understanding of two of the greatest social issues of our time: racism and immigration. Students learn the history and development of racism and immigration, as well as contemporary permutations. Students examine racism and immigration as they relate to social policy, schools, workplaces, the criminal justice system, human trafficking, and racial justice movements. This certificate allows students to develop cultural awareness and interactional competence that allow them to be effective leaders and citizens in a racially and culturally diverse society.

Required

Sociology:		
SOC 1000	Introduction to Sociology *	3
or SOC 1060	Social Problems	
SOC 2010	Research Methods *	3
Select three of the following: *		9
Sociology/Anthropology:		
SOC 2040	Social Movements	
SOC 2075	The Self in Social Context	
SOC 3037	Race, Ethnicity and Social Justice	
SOC 3060/5060	Sociology of Culture	
SOC/ANTH 3080	Immigration and Transnationalism	
ANTH 3104/ PSYCH 4608/5608	Gender in Cross-Cultural Perspective	
Total Hours		**15**

* Students are advised to take SOC 1000 or SOC 1060 and SOC 2010 before taking any of the courses listed below.

** Students may not count any course toward more than two of the following certificates: Certificate in Sociology of Family and Life Course; Certificate in Sociology of Gender and Culture; Certificate in Sociology of Inequality; Certificate in Sociology of Race/Ethnicity and Immigration.

Certificate in Crime Mapping and Analysis

This interdisciplinary program certificate provides students with both theoretical and applied training in spatial mapping and the analysis of crime data. This program certificate is offered jointly by the Department of Sociology, Anthropology and Criminology and Department of Geography.

Required

Criminology:		
CRIM 2134	Crime Analysis	3
CRIM 3400	Police and Society	3
Geography:		
GEOG 2410	Geographic Information Systems I	3
GEOG 4310/5310	GIS Applications: (Variable Topic)	3
or GEOG 4335/5335	Web Mapping and GIS	
Sociology:		
SOC 1000	Introduction to Sociology	3
SOC SCI 2020	Social Sciences Statistics	3
or STAT 1772	Introduction to Statistical Methods	
Total Hours		**18**

Special Education

(College of Education)

www.uni.edu/coe/specialed

The Department of Special Education offers the following minors and graduate programs. Specific requirements for these programs are listed within this Department of Special Education section in the following order:

Minors

- Early Childhood Special Education-Teaching (p. 396)
- Special Education-Teaching (p. 397)
  - Instructional Strategist (p. 397) (declared Summer 2014 or after)

Graduate Major (M.A.E.)

- Special Education (p. 397)

Program Certificates

- Inclusive Education (p. 398)
- Special Education Instructional Coaching (p. 398)

Undergraduate Programs

Minors

Early Childhood Special Education Minor-Teaching

This minor leads to Endorsement 262: PreK-K Early Childhood Special Education. Students must complete all requirements for an Early Childhood Education major and complete student teaching TEACHING 3135 in both the major and the Early Childhood Special Education minor endorsement area.

Required

SPED 3150	Meeting the Needs of Diverse Learners in Classrooms	2
EDPSYCH 3109	Development and Assessment of Young Children	3

SPED/ELEMECML 4124	Infant Toddler Curriculum and Early Intervention *	3
SPED 4192/5192 Experience in Special Education: Practicum in Home Intervention Birth-3		1-3
SPED 4141/5141	Including Young Children with Special Needs Into General Education Classrooms *	3
SPED 4192/5192 Experience in Special Education: Practicum in ECSE Age 3-6 Endorsement 262		3
ELEMECML 3149/5149	Child, Family, School and Community Relationships	3
SPED 4148/5148	Assessment of Young Children and Families with Exceptionalities	3
Total Hours		**21-23**

* Students enrolled in SPED 4124/5124 or ELEMECML 4124/5124 and/or SPED 4141/5141 are required to have not lower than a C in each of these methods courses that are prerequisites for Student Teaching in Special Education.

Special Education Minor-Teaching Instructional Strategist Minor

This minor leads to endorsement in teaching students with disabilities (Instructional Strategist I K-8 or Instructional Strategist I 5-12 or Instructional Strategist II Intellectual Disabilities K-12). Students must complete all requirements for an Early Childhood, Elementary, or Secondary Education major and complete student teaching TEACHING 3135 in both the major and the Instructional Strategist special education minor endorsement area.

Required Special Education Core:

SPED 4150/5150	Introduction to Special Education: Legal, Advocacy, and Assistive Technology Practices and Issues	3
SPED 4151/5151	Educational and Post-School Transition Programming for Individuals with Disabilities	3
SPED 4161/5161	Constructions of Behavior and Humanistic Supports ***	3
SPED 4162/5162	Specialized Assessment and Instruction for Students with Disabilities ***	3
SPED 4163/5163	Field Experience in Specialized Assessment, Instruction and Management in Special Education (K-8)	3
SPED 4171/5171	Creating and Sustaining Positive Inclusive Learning Environments (K-12) ***	3
Additional Instructional Strategist minor endorsement requirements:*		
One of the following: ***		3
SPED 4172/5172	Differentiated & Intensive Methods in Literacy & Mathematics: Elementary Mild/Mod Disabilities (K-8)	
or SPED 4173/5173	Instructional Methods for Inclusive Learning (5-12)	
AND		
SPED 4192/5192	Experience in Special Education (Field Experience 2: Differentiated Endorsement Block)	3
Total Hours		**24**

* For a Special Education teaching endorsement in:
Instructional Strategist I K-8: SPED 4172/5172 and corequisite SPED 4192/5192.
Instructional Strategist I 5-12: SPED 4173/5173 and corequisite SPED 4192/5192.
Instructional Strategist II Intellectual Disabilities K-12 SPED 4173/5173 and corequisite SPED 4192/5192.

** And Student Teaching TEACH 3135 (4-12 hours) in specific endorsement area

*** Students enrolled in SPED 4161, 4162, 4171, 4172, and/or 4173 are required to have not lower than a C in each of these methods courses that are prerequisites for Student Teaching in Special Education

Master of Arts in Education Degree Programs

Major in Special Education

This major is designed to prepare special education professionals for leadership positions and for advanced professional studies. To be eligible for Endorsement 250 *Special Education Consultant*, the student must have four years of successful teaching experience, two of which must be congruent with the desired Special Education Consultant endorsement. Students desiring to be endorsed as Work Experience Coordinators must hold a Special Education Teaching 5-12 endorsement.

UNI does **not** complete the recommendation for the following endorsements. Students will need to work directly with the Iowa Board of Educational Examiners (BOEE) for an evaluation, sending transcripts, and recommendation: Endorsement 233: *K-12 Supervisor Special Education/Instructor*; Endorsement 234: *Work Experience Coordinator*; Endorsement 239: *Director of Special Education*; Endorsement 258: *Professional Service Administrator*.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Department of Special Education for other application requirements. Graduate information and application for graduate admission can be found at https://admissions.uni.edu/application.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** option. A **minimum of 30 semester hours is required for the non-thesis option and a minimum of 33 hours is required for the thesis option**. **A minimum of 18 hours of 6000-level course work is required for both thesis and non-thesis options.**

Students on the **thesis** option must complete 6 hours of SPED 6299 Research and present a defense of the thesis. Students on the **non-thesis** option must complete 3 hours of SPED 6299 ending with a culminating research paper, and successfully complete a final written comprehensive examination.

Required professional core		
Educational Psychology:		
EDPSYCH 6214	Foundations of Instructional Psychology	3
Measurement and Research:		
MEASRES 6205	Educational Research	3
Required special education		
SPED 6260	Special Education Law and Policy	3
Special Education:		
SPED 6289	Seminar	3
or SPED 4180/5180	Interdisciplinary Study of Disability	
Research:		3 or 6
SPED 6299	Research	
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		
Emphasis in special education (choose one from below)		**15**
Total hours (non-thesis option)		30
Total hours (thesis option)		33

Instructional Emphasis

Required		
Special Education:		
SPED 6293	Qualitative Research in Special Education	3
SPED 6295	Single-Subject Research Applications	3
Approved electives		**9**
Total Hours		**15**

Special Education Consultant Emphasis

Required		
Special Education:		
SPED 6293	Qualitative Research in Special Education	3
SPED 6240	Collaborative Consultation I: The Relationship	3
SPED 6245	Collaborative Consultation II: The Process	3
SPED 6290	Practicum	3
Approved electives		**3**
Total Hours		**15**

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Special Education or the Office of the Registrar, which serves as the centralized registry.

Inclusive Education Certificate

The Inclusive Education certificate requires a fifteen (15) credit hour program designed to provide practicing educators the knowledge, skills, and dispositions needed to design and implement inclusive education in Pre K-12 schools.

SPED 6260	Special Education Law and Policy	3
SPED 4150/5150	Introduction to Special Education: Legal, Advocacy, and Assistive Technology Practices and Issues	3
SPED 4151/5151	Educational and Post-School Transition Programming for Individuals with Disabilities	3
SPED 4171/5171	Creating and Sustaining Positive Inclusive Learning Environments (K-12) (Note: Prerequisites will be waived for the Inclusive Education Certificate)	3
SPED 4192/5192	Experience in Special Education	3
Total Hours		**15**

Special Education Instructional Coaching Certificate

Applicants for the Special Education Instructional Coaching Certificate must hold a master's degree in special education or complete 30 semester hours of college coursework in the special education content area. The applicant must have four years of successful teaching experience, two of which must be in special education.

The purpose of this certificate program is to improve outcomes for students with disabilities by recruiting and preparing highly-qualified special education graduates to serve as special education instructional coaches in Local Education Agencies (LEAs) and Area Education Agencies (LEAs) across Iowa. The coaches will be prepared to provide on-site, personalized professional development to PK-12 general and special educators to enhance the implementation of evidence-based practices with high-need students with disabilities. The certificate program utilizes a distance education format [Adobe Connect with E-Learning Blackboard and on-line learning] to allow greater access to scholars across the state who are working professionals, people with child care considerations, and people living

in geographically isolated areas. The distance education approach will assist in expanding the reach of the certification program and promoting diversity of the special education workforce. This *Special Education Instructional Coaching* certificate program will be directed from within the Department of Special Education's pre-existing Master of Arts in Education (MAE) – Consultation Emphasis Program.

The certificate program addresses state-wide critical needs for special education instructional coaches to assist teachers in the implementation of evidence-based practices for students with disabilities. Applicants must have four years of successful teaching experience, two of which must be in special education. Scholars will exit the program with a special education coaching certificate. Special education graduate students will be prepared with the necessary competencies to be highly effective special education instructional coaches and consultants using evidence-based pedagogical practices that result in improvements in learning and developmental outcomes (e.g., academic, social, emotional, behavioral) and successful transition to postsecondary education and the workforce. Concurrent field-based practica will provide authentic opportunities for the students to apply competencies, resulting in specified performance tasks and portfolio products. For the practicum course, each student will be assigned a mentor from the LEA or AEA who is currently serving as an instructional coach or special education teacher.

The required coursework and practica include:

SPED 6240	Collaborative Consultation I: The Relationship	3
SPED 6245	Collaborative Consultation II: The Process	3
SPED 6260	Special Education Law and Policy	3
SPED 6289	Seminar	3
SPED 6290	Practicum	3
Total Hours		**15**

Teaching

(College of Education)

www.uni.edu/coe/departments/department-teaching

The Department of Teaching is responsible for the administration of multi-faceted programs.

Department of Teaching

The Department of Teaching administers the university's program in student teaching which is required of all undergraduates seeking a teaching degree. The student teaching program is administered through the office of the Head of the Department of Teaching and is under the supervision of the Associate Dean of Educator Preparation and the jurisdiction of the Dean of the College of Education.

Completion of the present undergraduate teaching curriculum requires a minimum of twelve semester hours of credit in student teaching for all teacher education majors except for those who have earned credit in student teaching in another college or university. Students who have completed three or more semester hours of credit in student teaching at another college or university in the same areas as their major at the University of Northern Iowa will have their previous experience evaluated to determine how much additional student teaching is needed.

Teacher education majors seeking a dual endorsement (i.e., special education/elementary, elementary/secondary) must complete a minimum of twelve semester hours of student teaching. The twelve hours of student teaching will be divided between the two levels in the student teaching assignment. Elementary majors with a minor in special education must complete one-half of their twelve-hour student teaching experience in a regular classroom and one-half of their twelve-hour experience in a special education setting.

Special area majors (i.e., art, ESL, music, and physical education) receive K-8 and 5-12 endorsements. They are required to complete twelve semester hours of student teaching in the special subject area. Special area majors must complete student teaching at both the elementary and secondary school levels.

The primary purpose of student teaching is to provide the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Specific emphasis is given to:

1. the analysis of teaching and learning,
2. the preconditions of learning,
3. the organization of instructional content,
4. adapting methods and techniques to organization and content,
5. the logical process of teaching, and
6. principles of self-evaluation.

This broad pattern of experiences includes planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program.

A student teacher who withdraws from student teaching [TEACHING 3132, TEACHING 3134, TEACHING 3135, TEACHING 3137, TEACHING 3138, TEACHING 3139, TEACHING 3140] prior to the mid-point of assignment within the twelve-hour experience will receive a **W (Withdrawn)**. A student teacher who withdraws from student teaching after the midpoint of the student teaching term will receive a **No Credit** grade.

The applicant for student teaching who previously received a **No Credit** grade in TEACHING 3xxx must be recommended for placement by the Associate Dean of Educator Preparation following consultation with the instructor who gave the **No Credit** grade, the head of the Department of Teaching, and any other individuals with pertinent information.

The scholarship average required before a student is permitted to register for student teaching is specified in Undergraduate Degree Requirements section of this University Catalog. **A student must also have been fully admitted to the Teacher Education Program and must file an application for student teaching according to the time line published by the Department of Teaching. Students whose applications are received after the established deadline will not be guaranteed a placement in the semester for which they were a late applicant.**

Department of Theatre

(College of Humanities, Arts and Sciences)

www.uni.edu/theatre

The Department of Theatre offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Theatre section in the following order:

Undergraduate Majors (B.A.)

- Communication-Theatre-Teaching (p. 400) (also listed in Department of Communication and Media)
- Theatre (p. 401)

Minors

- Communication-Theatre-Teaching (p. 402) (also listed in Department of Communication and Media)
- Theatre (p. 402)

Majors

1. Students may indicate their interest in majoring in Theatre any time after their admission to UNI. Formal indication of interest shall be made via the Declaration of Curriculum form. Declared students will be assigned an advisor in the department. (For freshmen, this shall be a freshman advisor.)
2. A student's freshman year shall be devoted primarily to course work in the UNIFI/General Education program and Foundations of Theatre (with lab), Stagecraft: Scenery/Lights or Stagecraft: Costumes, Introduction to Reading Playscripts, Creative Drama, and Movement for the Actor (for Performance Emphasis students).
3. Students must maintain a minimum cumulative GPA of 2.0 in order to be eligible to participate in productions after practicum course work requirements are completed. Additional considerations, including faculty recommendations, current attendance record in scheduled courses, and evidence of satisfactory progress in current courses may also affect eligibility to participate in production.
4. Transfer students entering UNI with an associate arts (A.A.) degree will be admitted to major status if their cumulative GPA is 2.50 or better and upon the condition that the requirements of COMM 1000 (Oral Communication) and ENGLISH 1005 /ENGLISH 2015 /ENGLISH 2120 were satisfied at their junior/community colleges. Transfer students will take THEATRE 1010 Foundations of Theatre and THEATRE 1011 Foundations of Theatre Lab during their first semester at UNI as part of the transfer orientation process.
5. Transfer students entering UNI without an A.A. degree will be subject to the admissions standards requirements of students beginning their higher education studies at UNI, i.e. #1 and 2.

Minors

1. Admission to a Theatre minor requires a Declaration of Curriculum form and consultation with the department office.

Bachelor of Arts Degree Programs

Communication-Theatre-Teaching Major

The Communication-Theatre-Teaching major requires a minimum of 121 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 121 hours.

The teaching major in communication and theatre is offered jointly by the Department of Communication and Media and Department of Theatre.

This major leads to endorsement #168: 5-12 Speech Communications/Theatre.

Required

Communication:		
COMM 2256	Performing Texts	3
COMM 2257	Argumentation and Debate	3
COMM 2344	Interpersonal Communication	3
COMM 2555	Interactive Digital Communication I	3
COMM 4346/5346	Gender Issues in Communication	3
COMM 4559	Communication Education and Training	3
COMM DM 1611	Media and Power	3
Theatre:		
COMM 2455	Skills for Making Performance ^	3
OR		
THEATRE 1010	Foundations of Theatre (THEATRE 1010 is a co-requisite with THEATRE 1011)	
THEATRE 1012	Stagecraft: Scenery/Lights *	3
THEATRE 1030	Acting *	3
THEATRE 2020	Playscript Analysis and Interpretation	3
THEATRE 3070	History of the Theatre II	3
THEATRE 3115	Methods of Teaching Drama and Theatre	3
THEATRE 3160	Directing	3
Applied Activity Option: **		
Select 3 of the following 1 credit hour courses:		3
COMM 1940 & COMM 3940	Applied Forensics and Advanced Applied Forensics (each course is 1 hr.) **	
COMM 1941 & COMM 3941	Applied Performance Studies and Advanced Applied Performance Studies (each course is 1-2 hrs.) **	
THEATRE 1011	Foundations of Theatre Lab (1 hr.) This course is a co-requisite for THEATRE 1010	
THEATRE 2050	Theatre Practicum (1 hr.) **	

Electives		
Select one of the following:		3
COMM 2255	Public Speaking (3 hrs.)	
COMM 2456	Communication and Popular Culture (3 hrs.)	
COMM 4218	Persuasion (3 hrs.)	
COMM 4322/5322	Advanced Interpersonal Communication (3 hrs.)	
COMM 4446/5446	Voices from the Margin: Performance, Rhetoric, and Social Change	
COMM 4448/5448	Cultural Performance (3 hrs.)	
COMM COR 1010	Mass Communication and Society (3 hrs.)	
COMM DM 1651	Digital Media Production I	
COMM PR 1811	Principles of Public Relations (3 hrs.)	
THEATRE 1020	Introduction to Reading Playscripts (3 hrs.)	
THEATRE 1050	Creative Drama	
THEATRE 3050	Theatre Production (1-4 hrs.)	
THEATRE 3080/508(	Advanced Theatre Studies (3 hrs.)	
Total Hours		**48**

Other courses are available consult with your advisor.

* These three courses may be taken in any sequence; all prerequisites for THEATRE 3160.

** Students may take any combination of the three Applied Activity courses. Any of the courses can be repeated up to three times. Activities for Communication-Theatre majors include UNI Theatre, UNI Interpreters Theatre, Sturgis Youth Theatre, SAVE (Students Advocating for Voices and Equality) Forum Actors, and UNI Forensics.

Theatre Major

The Theatre major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements*, the major requirements for one of the three Theatre major options as defined below, and university electives to total 120 hours.

* THEATRE 3060 may substitute for the Fine Arts requirements for all theatre majors, 3 hours in the Liberal Arts Core, Category 3A.

Theatre Major options:

Theatre Major with a Performance emphasis (Theatre core plus 24 hours Performance emphasis requirements)

Theatre Major with a Design and Production emphasis (Theatre core plus 25 hours Design and Production emphasis requirements)

Theatre Major with a Theatre for Youth and Communities emphasis (Theatre core plus 21 hours Drama and Theatre for Youth emphasis requirements)

Theatre core requirements		
Theatre:		
THEATRE 1010	Foundations of Theatre	3
THEATRE 1011	Foundations of Theatre Lab	1
THEATRE 1012	Stagecraft: Scenery/Lights	3
THEATRE 1015	Stagecraft: Costumes	3
THEATRE 1020	Introduction to Reading Playscripts	3
THEATRE 1030	Acting	3
THEATRE 1050	Creative Drama	3
THEATRE 2020	Playscript Analysis and Interpretation	3
THEATRE 2050	Theatre Practicum (3 required-ONE may be in performance)	3
THEATRE 3060	History of the Theatre I	3
THEATRE 3070	History of the Theatre II	3
THEATRE 3160	Directing	3
Total Hours		**34**

Requirements for the three options are as follows:

Performance Emphasis

Required		
Theatre core		**34**
Theatre:		
THEATRE 1040	Movement for the Actor	3
THEATRE 2025	Body, Voice, Awareness	3
THEATRE 3003	Vocal Production for the Actor	3
THEATRE 3030	Auditioning and the Business of Acting	3
THEATRE 3120/5120	Acting Styles	3
THEATRE 3126	Acting Studio I	3
THEATRE 3127	Acting Studio II	3
Departmental electives (3 hours selected from departmental electives below)		**3**
Total Hours		**58**

Design and Production Emphasis

Required		
Theatre core		**34**
Theatre:		
THEATRE 2040	Design Elements for Theatre	3
THEATRE 3050	Theatre Production	1
THEATRE 3141	Stage Makeup	3
or THEATRE 3142	Scenic Painting/Costume Patterning & Draping	
THEATRE 3143	Drafting for Theatre	3
THEATRE 3220	Design I: Theatrical Design Aesthetics	3
THEATRE 3230	Design II: Theatrical Design Process	3
THEATRE 3240	Design III: Theatrical Design Application	3

Departmental electives (6 hours selected from departmental electives below)		**6**
Total Hours		**59**

Theatre for Youth and Communities Emphasis

Required		
Theatre core		**34**
Theatre:		
THEATRE 3100/ CAP 3106	Theatre in Education	3
THEATRE 3110/5110	Theatre for Youth	3
THEATRE 3115	Methods of Teaching Drama and Theatre	3
Electives from within Theatre Department		**3**
Electives outside Theatre Department (chosen in consultation with advisor)		**3**
Departmental electives (6 hours selected from departmental electives below)		**6**
Total Hours		**55**

Departmental Electives:

THEATRE 3195/5195	Playwriting	3
THEATRE 2055	Devised Theatre	3
THEATRE 2060	Production Studies	3
THEATRE 2190	Stage Management	3
THEATRE 3080/5080	Advanced Theatre Studies	3
THEATRE 3155	Topics in Theatre Design and Production	3
THEATRE 3200/5200	Internship	1-8

Minors

See admission requirements for Theatre minors.

Communication-Theatre-Teaching Minor

The Communication-Theatre-Teaching minor is offered jointly by the Department of Communication and Media and Department of Theatre.

This minor leads to endorsement #168: 5-12 Speech Communications/ Theatre.

Required		
COMM 2255	Public Speaking	3
COMM 2256	Performing Texts	3
COMM 2257	Argumentation and Debate	3
COMM DM 1611	Media and Power	3
THEATRE 3160	Directing	3
COMM 4559	Communication Education and Training	3
or THEATRE 3115	Methods of Teaching Drama and Theatre	
Electives (Select a total of 6 credit hours)		**6**
COMM 1940 & COMM 3940	Applied Forensics and Advanced Applied Forensics *	
COMM 1941 & COMM 3941	Applied Performance Studies and Advanced Applied Performance Studies *	
COMM 2455	Skills for Making Performance	
THEATRE 1010 & THEATRE 1011	Foundations of Theatre and Foundations of Theatre Lab **	
THEATRE 1030	Acting **	
THEATRE 2050	Theatre Practicum *	
Total Hours		**24**

* Any of these courses can be repeated up to three times.
** These classes must be taken before THEATRE 3160.

Theatre Minor

Required		
Theatre core:		
THEATRE 1010	Foundations of Theatre	3
THEATRE 1011	Foundations of Theatre Lab	1
THEATRE 1012	Stagecraft: Scenery/Lights	3
or THEATRE 1015	Stagecraft: Costumes	
THEATRE 1020	Introduction to Reading Playscripts	3
THEATRE 1030	Acting	3
THEATRE 2050	Theatre Practicum (2 required - ONE may be in performance)	2
A minimum of 9 credit hours in theatre selected from the list below and approved by the department		9
Total Hours		**24**

Theatre Electives (9 hrs. required)

THEATRE 2025	Body, Voice, Awareness	3
THEATRE 2040	Design Elements for Theatre	3
THEATRE 2055	Devised Theatre	3
THEATRE 1050	Creative Drama	3
THEATRE 2020	Playscript Analysis and Interpretation	3
THEATRE 3060	History of the Theatre I	3
THEATRE 3070	History of the Theatre II	3
THEATRE 3080/5080	Advanced Theatre Studies	3
THEATRE 3110/5110	Theatre for Youth	3
THEATRE 3160	Directing	3
THEATRE 3195/5195	Playwriting	3
THEATRE 3200/5200	Internship	1-8

Course Number Explanation

Courses of Instruction

Effective with the Fall 2011 semester, a new course numbering system was implemented using an alpha subject field (up to 8 characters) and 4-digit course number. Prior to Fall 2011 and through Summer 2011, the 3-digit department prefix and 3-digit course number was used and appears on the transcript under this 3-digit numbering system through Summer 2011.

Following is the numbering scheme used for both the current alpha subject field/4-digit course number system effective Fall 2011 and the previous 3-digit numbering system used through Summer 2011:

Number System Effective Fall 2011:

Courses are designated by an alpha subject field (up to 8 characters) and 4-digit course number. The alpha subject field refers to the department or area of the course; the number refers to the specific course. For example, in the course designated ART 3011, *ART* refers to the Department of Art and the *3011* refers to the course.

Courses numbered 0000 through 0999: Non-credit courses and courses that are offered to non-matriculated students (such as CIEP).

Courses numbered 1000 through 1999: Introductory, elementary, and general education courses that are appropriate for first year students and others with no special background. A course in this series will have few if any prerequisites.

Courses numbered 2000 through 2999: Lower level undergraduate courses; those that ideally are taken by second and perhaps third year students. These courses might build on materials and knowledge from the 1000 series courses and may have prerequisites.

Courses numbered 3000 through 3999: Upper level undergraduate courses, courses for majors, courses which require significant prerequisites.

Courses numbered 4000 through 4999: Advanced upper level undergraduate courses including seminars, advanced independent study courses, honors thesis work, etc.

Courses numbered 5000 through 5999: Introductory graduate or first year graduate courses.

Courses numbered 6000 through 6999: Upper level graduate courses.

Courses numbered 7000 through 7999: Doctoral courses.

Previous Number System Through Summer 2011:

Courses are designated by two numbers, separated by a colon. The first number refers to the department or area of the course; the second number refers to the specific course. For example, in the course designated 600:111 the "600" refers to the Department of Art and the "111" refers to the course.

Courses numbered 0-99 are primarily designed for freshman and sophomore students.

Courses numbered 100-199 are primarily designed for junior, senior, and graduate students. *However, only those 100-level courses whose numbers are followed by a "g" provide graduate credit*, e.g., 400:173(g). In all courses of the 100(g) series, greater academic achievement, both qualitative and quantitative, is expected of those receiving graduate credit than those receiving undergraduate credit. Freshmen and sophomores may not register for 100(g)-level courses. Only in very special cases may an exception be granted by the appropriate department head.

Courses numbered 200-299 are primarily designed for graduate students. Undergraduates seeking admission to graduate courses must secure the permission of the head of the department offering the course. Courses numbered 200 taken as an undergraduate cannot later be used for an advanced degree unless the student was eligible to earn graduate credit.

Courses numbered 300-399 are primarily designed for doctoral students.

Classification of Students

Students are classified as follows:

Freshman	less than 30 earned semester hours
Sophomore	30-59 earned semester hours
Junior	60-89 earned semester hours
Senior	90 and over earned semester hours

Graduate classification is earned by admission to graduate study.

Semester Designation for Courses

Each course description has a semester(s) designation indicating when it is typically offered. The semester designation is listed at the **end** of each course description in parenthesis -- i.e., (Offered Fall and Spring), (Offered even Springs), (Variable), etc. Every effort will be made to abide by the designations, but this is not a guarantee that the course will be offered as indicated.

Common Course Numbers

Following are course numbers which are common to departments across campus. These common numbers may be used under named conditions by prefixing with the department subject prefix:

1059, 2059, 3159/5159, 4159/5159, 6259, 7359 - Reserved for temporary courses of a special or experimental nature. May be repeated on different topics.

3133, 4133/5133, 6233 Workshop - 1-6 hrs. Offered for special groups as announced in advance. Students may take work in one or more workshops but may not use more than 6 hours toward graduation.

3179 Cooperative Education - 1-6 hrs. For students who wish to apply classroom learning to field experience. Requires approval by the faculty supervisor, the head of the academic department granting credit, and Cooperative Education/Internship staff for placement agreement, project, and credit arrangements. Credit may not be applied to a major or minor without approval by the department offering the major or minor. Co-op/Internship staff assist in developing placements and arranging student interviews with employers and maintain contact with student and employer during the co-op/internship experience. May be repeated for a maximum of 12 hours credit.

1086, 2086, 3186/5186, 4186/5186, 6286, 7386 Studies in "_____" - Courses to be offered by departments for specialized work not covered by regular courses. Credit and topic for "study" to be given in Schedule of Classes. May be repeated on different topics.

109C, 319C Open Credit - 1-6 hrs.

319P Presidential Scholars Research - 1-3 hrs. For Presidential Scholars only. Credit and topic to be approved by the Presidential Scholars Board. May be repeated once for a maximum of 6 hours.

4198 Independent Study - Hours to be arranged in advance. A provision for undergraduate students to do work in a special area not offered in formal courses. (Does not provide graduate credit.) Permission of the head of the department offering the work is required. Projects must be approved well before the beginning of the semester in which the work is to be done.

4199 Study Tour - 1-12 hrs. Offered as announced in the Schedule of Classes. See Summer Bulletin for general description and consult appropriate department for specific information.

6285 or 7385 Readings - Offered as needed in the various disciplines - not offered as a class. Independent readings from a selected list as approved in advance by department head. Credit to be determined at time of registration. May be repeated.

6289 or 7389 Seminar - Offered as needed in the various disciplines. Credit and topic to be given in Schedule of Classes. May be repeated on different topics.

629C Continuous Registration. Graduate students who have completed all of their program but not all of their graduation requirements, e.g. comprehensive exams, thesis, paper/project, recitals, etc., must be continuously registered until the degree is completed. Students reaching this stage will be automatically registered in the course ___629C (xxx:29C), *Continuous Graduate Student*, and assessed a fee. Continuous enrollment insures that students can access their university email accounts and utilize the library and its services through graduation. May be repeated

629R Directed Research - 1-6 hrs. Course is available to thesis and non-thesis students on a credit/no credit basis. Students may enroll in the course following enrollment in all allowable hours of ____6299 (6-9 hours for thesis students and 3 hours for non-thesis students). Students may take this course for a maximum of 6 hours per semester. Please refer to individual programs for possible exceptions. May be repeated to maximum of 12 hours.

6297 or 7397 Practicum - 1-4 hrs. Offered as needed in the various disciplines to provide practical experience in college teaching. May be repeated.

6299 or 7399 Research - See details for approval and registration. Repeatable to the maximum credits for a student's degree.

7300 Post-Comprehensive Registration. For Doctor of Education and Doctor of Industrial Technology programs. May be repeated.

Individual Studies Program

Courses offered in the Individual Studies Program may have a prefix of INDIVSTU xxxx instead of a department number. These include:

4192 (192) Exploratory Seminar - 1-3 hrs.

4196 (196) Interdisciplinary Readings - 1-3 hrs.

4197 (197) Undergraduate Thesis - 3-6 hrs.

4198 (4198) Individual Study Project - Hours arranged by Individual Studies Program Coordinator.

Common Course Number Crosswalk

3-digit Number effective through Summer 2011	4-digit Number Effective Fall 2011	Course Title
059	1059	Experimental
159	3159	Experimental
159g	4159/5159	Experimental
259	6259	Experimental
359	7359	Experimental
133	3133	Workshop
133g	4133/5133	Workshop
233	6233	Workshop
179	3179	Cooperative Education
086	1086	Studies In:
186	3186	Studies In:
186g	4186/5186	Studies In:
286	6286	Studies In:
386	7386	Studies In:
09C	109C	Open Credit
19C	319C	Open Credit

19P	319P	Presidential Scholars Research
198	4198	Independent Study
199	3199	Study Tour
285	6285	Readings
385	7385	Readings
289	6289	Seminar
389	7389	Seminar
29C	629C	Continuous Registration
29R	629R	Directed Research
297	6297	Practicum
397	7397	Practicum
299	6299	Research
399	7399	Research
300	7300	Post Comprehensive Registration

Guide to Course Number Prefixes

This table is in alphabetical order by *Department/Unit:*

3-digit Prefix through Summer 2011	Subject Area Abbreviation effective Fall 2011	Subject Area Name	Department/ Unit
120	ACCT	Accounting	Accounting
600	ART	Art Studio	Art
600	ARTED	Art Education	Art
600	ARTHIST	Art History	Art
840	BIOL	Biology	Biology
890	IA LL	Iowa Lakeside Laboratory	Biology
100	BUSINESS	Business Administration, Interdepartmental	Business Administration, College of, Interdepartmental
New prefix effective Summer 2022	BUSTEACH	Business Teaching	Business Administration, College of, Interdepartmental
New Prefix effective Summer 2022	CTE	Career Technical Education	Business Administration, College of, Interdepartmental
CAP	CAP	Capstone	Capstone, Liberal Arts Core
860	CHEM	Chemistry and Biochemistry	Chemistry and Biochemistry
51C and 51S	CSD	Communication Sciences and Disorders	Communication Sciences and Disorders
48C	COMM	Communication and Media	Communication and Media
48E	COMM EM (prefix no longer used effective Summer 2016)	Communication and Media: Electronic Media	Communication and Media
New Prefix effective Summer 2016	COMM DM	Communication and Media: Digital Media	Communication and Media
48J	COMM J (prefix no longer used effective Summer 2016)	Communication and Media: Journalism	Communication and Media
48P	COMM PR	Communication and Media: Public Relations	Communication and Media
48C/48E/48J/48P prefix varies	COMM COR	Communication and Media Core	Communication and Media
48C/48E/48J/48P prefix varies	COMMGRAD	Communication and Media Graduate	Communication and Media
810	CS	Computer Science	Computer Science
New Prefix effective Summer 2021	CS ED	Computer Science Education	Computer Science
210	ELEMECML	Elementary, Early Childhood and Middle Level Education	Curriculum and Instruction
240	INSTTECH (prefix no longer used effective Summer 2022)	Instructional Technology	Curriculum and Instruction
230	LITED	Literacy Education	Curriculum and Instruction
New Prefix effective Summer 2022	LRNTECH	Learning Technologies	Curriculum and Instruction
300	SAFETYED	Safety Education	Curriculum and Instruction
350	SLS	School Library Studies	Curriculum and Instruction
870	EARTHSCI	Earth Science	Earth and Environmental Sciences
920	ECON	Economics	Economics
190	INTDEPED	Education, Interdepartmental	Education, Interdepartmental
270	EDLEAD	Educational Leadership	Educational Psychology, Foundations, and Leadership Studies
170	POSTSEC	Postsecondary Education: Student Affiars	Educational Psychology, Foundations, and Leadership Studies
200	EDPSYCH	Educational Psychology	Educational Psychology, Foundations, and Leadership Studies
250	MEASRES	Measurement and Research	Educational Psychology, Foundations, and Leadership Studies
260	SOCFOUND	Social Foundations	Educational Psychology, Foundations, and Leadership Studies

290	COUN	Counseling	Family, Aging, & Counseling
31F	FAM SERV	Family Services	Family, Aging, & Counseling
31G	GERO	Gerontology	Family, Aging, & Counseling
31I	INTDSGN	Interior Design	Family, Aging & Counseling
31T	TEXDSGN	Textiles and Apparel	Family, Aging & Counseling
160	FIN	Finance	Finance
970	GEOG	Geography	Geography
410	HPE (prefix no longer used effective Summer 2020)	Health Promotion and Education	Health, Recreation and Community Services
430	LYHS (prefix no longer used effective Summer 2020)	Leisure, Youth and Human Services	Health, Recreation and Community Services
310	NUTR	Nutrition	Health, Recreation and Community Services
New prefix effective Summer 2020	RTNL	Recreation, Tourism, and Non-Profit Leadership	Health, Recreation and Community Services
960	HIST	History	History
962	HISEUA (prefix no longer used effective Summer 2020)	Europe to ca. 1700	History
963	HISEUB (prefix no longer used effective Summer 2020)	Europe Since ca. 1700	History
964	HISNW (prefix no longer used effective Summer 2020)	Non-Western History	History
961	HISUS (prefix no longer used effective Summer 2020)	United States History	History
680	HUM	Humanities	Interdisciplinary
000	INDIVSTU	Individual Studies	Interdisciplinary
440	KAHHS (effective Summer 2018)	Kinesiology, Allied Health and Human Services, interdepartmental	Kinesiology, Allied Health and Human Services, Interdepartmental
440	HPELS (prefix no longer used effective Summer 2018)	Kinesiology, Allied Health and Human Services, interdepartmental	Kinesiology, Allied Health and Human Services, Interdepartmental
42T	AT	Athletic Training	Kinesiology & Athletic Training
New Prefix effective Summer 2022	KINES	Kinesiology	Kinesiology & Athletic Training
420	PEMES	Physical Education	Kinesiology & Athletic Training
710	CHIN	Chinese	Languages and Literatures
620	ENGLISH	English Language and Literature	Languages and Literatures
720	FREN	French	Languages and Literatures
740	GER	German	Languages and Literatures
700	LANG	Languages	Languages and Literatures
790	PORT	Portuguese	Languages and Literatures
770	SLAV	Russian	Languages and Literatures
780	SPAN	Spanish	Languages and Literatures
630	TESOL	TESOL/Applied Linguistics	Languages and Literatures
New prefix effective Summer 2017	LIBRARY	Library	Library
150	MGMT	Management	Management
New Prefix effective Summer 2022	ENTR	Entrepreneurship	Marketing and Entrepreneurship
130	MKTG	Marketing	Marketing and Entrepreneurship
800	ACT SCI	Actuarial Science	Mathematics
800	MATH	Mathematics	Mathematics
800	STAT	Statistics	Mathematics
080	MIL SCI	Military Science	Military Science
540	MUS APPL	Music Applied	School of Music
570	MUS ED	Music Education and Methods	School of Music
530	MUS ENS	Music Ensembles	School of Music
590	MUS HIST	Music History	School of Music
595	MUS LIT	Music Literature	School of Music
560	MUS TECH	Music Techniques	School of Music
580	MUS THEO	Music Theory	School of Music
520	MUSIC	Music	School of Music
New prefix effective Summer 2020	PH	Public Health and Education	Nursing & Public Health

650	PHIL	Philosophy	Philosophy and World Religions
640	RELS	World Religions	Philosophy and World Religions
880	PHYSICS	Physics	Physics
942	POL AMER	Politics, American	Political Science
944	POL COMP	Politics, Comparative	Political Science
940	POL GEN	Politics, General	Political Science
943	POL INTL	Politics, International	Political Science
941	POL THRY	Political Theory	Political Science
400	PSYCH	Psychology	Psychology
950	PUB POL	Public Policy	Public Policy
820	PSM	Professional Science Masters	Science Education
820	SCI ED	Science Education	Science Education
830	ENV SCI	Environmental Science	Science Education
900	SOC SCI	Social Science	Social Science
New prefix effective Summer 2018	SOCSCIED	Social Science Education	Social Science
450	SW	Social Work	Social Work
990	ANTH	Anthropology	Sociology, Anthropology, and Criminology
982	CRIM	Criminology	Sociology, Anthropology, and Criminology
980	SOC	Sociology	Sociology, Anthropology, and Criminology
220	SPED	Special Education	Special Education
280	TEACHING	Teaching	Teaching
330	TECH	Technology	Applied Engineering & Technical Management
New prefix effective Summer 2019	TECH CM	Technology Construction Mangement	Applied Engineering & Technical Management
New prefix effective Summer 2020	TECH TEE	Technology Engineering Education	Applied Engineering & Technical Management
490	THEATRE	Theatre	Theatre
010	UNIV	University, Interdisciplinary	University, Interdisciplinary
some 680 and 900 prefixes	WGS	Women's and Gender Studies	Women's and Gender Studies

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Accounting Courses (ACCT)

No upper level (100/3000-level and above) accounting courses may be taken on a credit/no credit or audited basis without written consent of the department head or director of the MAcc, except ACCT 3090, ACCT 3092/5092, ACCT 3179, and ACCT 6090.

ACCT 2120. Principles of Financial Accounting — 3 hrs.
Introduction to reporting financial information regarding the operating, investing and financing activities of business enterprises to present and potential investors, creditors, and others. Regression note: Subsequent to successfully completing a 100/3000/4000-level Accounting course, neither ACCT 2120 nor ACCT 2130 may be repeated. Prerequisite(s): sophomore standing. (Fall, Spring, Summer)

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ACCT 2130. Principles of Managerial Accounting — 3 hrs.
Introduction to processes leading to information useful to decision-makers responsible for an accounting entity's activities. Includes product costing, cost behavior, budgeting, performance analysis, and relevant costs. Regression note: Subsequent to successfully completing a 100/3000/4000-level Accounting course, neither ACCT 2120 nor ACCT 2130 may be repeated. Prerequisite(s): C- or better in ACCT 2120; sophomore standing. (Fall, Spring, Summer)

ACCT 3055. VITA: Individual Income Tax Preparation — 2 hrs.
The Volunteer Income Tax Assistance Program (VITA) is sponsored by the IRS. VITA volunteers prepare federal and state income tax returns at no charge for low-income individuals. May be repeated one time for maximum of 4 hours. Prerequisite(s): ACCT 4150. (Spring)

ACCT 3075. Legal Concepts for Accountants — 3 hrs.
Study of legal concepts including contracts, UCC, commercial paper, secured transactions, business organizations, and bankruptcy. Prerequisite(s): junior standing. (Fall)

ACCT 3090. Internship -- Accounting — 2-8 hrs.
Full-time accounting internship for minimum of eight weeks. Offered on credit/no credit basis only. Prerequisite(s): 2.70 cumulative UNI GPA; junior standing; consent of department head. (Fall, Spring, Summer)

ACCT 3092/5092. Special Problems -- Accounting — 1-3 hrs.
Directed readings, reports, and/or projects. Offered on credit/no credit basis only. Prerequisite(s): junior standing; consent of department head. (Fall, Spring, Summer)

ACCT 3094. Individual Readings — 1-3 hrs.
Directed readings and reports. May be repeated for maximum of 6 hours. Prerequisite(s): consent of department head or MAcc coordinator. (Fall, Spring, Summer)

ACCT 3120. Intermediate Accounting I — 3 hrs.
In-depth coverage of the theory and practice of financial accounting for assets, including accounting standards/concepts development, time value of money, and revenue recognition. Prerequisite(s): ACCT 2120; ACCT 2130; junior standing. (Fall and Spring)

ACCT 3122. Intermediate Accounting II — 3 hrs.
In-depth coverage of the theory and practice of financial accounting for liabilities and equity, including earnings per share, deferred taxes, pensions, leases, accounting changes, error corrections, and cash flows. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in ACCT 3120; junior standing. (Fall and Spring)

ACCT 3130. Cost Accounting — 3 hrs.
Management use of accounting data to aid in product costing, performance measurement, budgeting, and other operating decisions. Prerequisite(s): ACCT 2120; ACCT 2130; junior standing. (Fall and Spring)

ACCT 3140. Accounting Information Systems — 3 hrs.
Analysis of computer-based accounting information systems including flowcharting of business processes and study of internal controls; involves significant manual and computerized practice cases. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in ACCT 3120; MGMT 2080; junior standing. (Fall and Spring)

ACCT 3179. Cooperative Education in Accounting — 1-3 hrs.
Offered on credit/no credit basis only. May be repeated for maximum of 6 hours. (Fall, Spring, Summer)

ACCT 4025/5025. Advanced Accounting — 3 hrs.
Accounting for business combinations, foreign currency translation, consolidations, and derivatives and hedging. Prerequisite(s): ACCT 2120; ACCT 2130; ACCT 3120; ACCT 3122; junior standing. (Fall and Spring)

ACCT 4052. Advanced Income Tax — 3 hrs.
Advanced income taxation as relates to corporations, partnerships, pass through entities, trusts, and estates. Examines a framework for

integrating tax planning into accounting and business decisions. Prerequisite(s): ACCT 4150; junior standing. (Spring)

ACCT 4065/5065. Fraud Analytics — 3 hrs.
Examination of motivation, prevention, detection, investigation, and resolution of fraud. Prerequisite(s): ACCT 2120; ACCT 2130; ACCT 3120; ACCT 3122; ACCT 4160; ACCT 3140; MGMT 2080; junior standing. (Summer)

ACCT 4070/5070. Government and Not-for-Profit Accounting — 3 hrs.
In-depth coverage of the theory and practice of governmental and not-for-profit accounting. Includes financial reporting requirements for government-wide consolidations/reconciliations and CAFR. Prerequisite(s): ACCT 2120; ACCT 2130; ACCT 3120; ACCT 3122; junior standing. (Fall and Spring)

ACCT 4080. FAR Review — 3 hrs.
Designed to aid candidates in developing approaches to solutions of problems and answers to questions in the CPA examinations. Prerequisite(s): ACCT 2120; ACCT 2130; ACCT 3120; ACCT 3122; ACCT 3130; ACCT 3140; ACCT 4150; ACCT 4160; junior standing. (Spring)

ACCT 4082. Regulation Review — 3 hrs.
Intensive study of business law and income tax. Designed to assist accounting students as they prepare for the regulation portion of the CPA examination. Prerequisite(s): ACCT 2120; ACCT 2130; ACCT 3120; ACCT 3122; ACCT 3130; ACCT 3140; ACCT 4150; ACCT 4160; ACCT 6170 or ACCT 3075; junior standing or admission to the MAcc program. (Spring)

ACCT 4084. Auditing Review — 1 hr.
Intensive review of auditing concepts to prepare accounting students for the Auditing section of the CPA examination. Prerequisite(s): ACCT 2120; ACCT 2130; ACCT 3120; ACCT 3122; ACCT 3130; ACCT 3140; ACCT 4150; ACCT 4160; junior standing. (Spring)

ACCT 4150. Income Tax — 3 hrs.
Introductory course in federal income taxation as applied to individuals and businesses; emphasis on income and expense recognition, individual taxation, and property transactions. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in ACCT 3120; junior standing. (Fall and Spring)

ACCT 4160. Auditing — 3 hrs.
Principles, practices, and procedures used to determine reliability of financial records and statements. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in ACCT 3120; ACCT 3122; ACCT 3140; junior standing. (Fall and Spring)

ACCT 4162/5162. Advanced Auditing — 3 hrs.
Use of professional judgment, critical thinking, and professional skepticism in applying the principles, practices, and procedures used in conducting financial statement audits. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in ACCT 3120; ACCT 3122; ACCT 3140; ACCT 4160; junior standing. (Variable)

ACCT 6030. Managerial Accounting — 3 hrs.
Use of accounting data in managerial decision-making process and in the analysis and control of business operations. Prerequisite(s): ACCT 2120 or equivalent; consent of MBA Director or MAcc Director. (Variable)

ACCT 6052. Advanced Tax Topics — 3 hrs.
Covers advanced issues related to income taxation of corporations, partnerships, S corporations and fiduciaries, and estate and gift taxes. Emphasis on conceptual understanding and problem solving. Prerequisite(s): ACCT 4150; admission to MAcc program. (Spring)

ACCT 6090. Graduate Internship in Accounting — 1-6 hrs.
Offers students enrolled in the Master of Accounting Program an opportunity to apply classroom learning in a professional accounting environment. Offered on credit/no credit basis only. Prerequisite(s): admission to MAcc program; consent of MAcc Coordinator. (Fall, Spring, Summer)

ACCT 6092. Topics in Accounting: Fraud Examination — 1-3 hrs.
Selected topics in Accounting. May be repeated for maximum of 6 hours. Anticipated typical credit of 1 hour. Prerequisite(s): consent of MBA Director or admission to MAcc program. (Variable)

ACCT 6120. Financial Accounting Theory and Analysis — 3 hrs.
In-depth review and analysis of theoretical foundations of corporate financial reporting. Prerequisite(s): admission to MAcc program. (Fall)

ACCT 6140. Business Analytics in Accounting — 3 hrs.
Provides an in-depth understanding of data analytics in various areas of accounting (audit, tax, financial and managerial). Topics will include current analytics tools, management of analytics projects, as well as governance and internal control issues from current practice. Prerequisite(s): ACCT 3140; MGMT 2080; admission to MAcc program. (Fall)

ACCT 6170. Business Law for the Professional Accountant — 3 hrs.
Topics necessary for accounting professionals including contracts, UCC, commercial paper, secured transactions, and bankruptcy. Prerequisite(s): admission to MAcc program. (Fall)

ACCT 6175. Applied Professional Research — 3 hrs.
Study and application of research methods for accounting professionals in financial accounting, auditing, and tax with emphasis on communication and analytic skills. Prerequisite(s): ACCT 4150; ACCT 4160; admission to MAcc program. (Fall)

ACCT 6285. Individual Readings — 1-4 hrs.
Directed readings and reports. May be repeated for maximum of 4 hours. Prerequisite(s): consent of MBA Director and department head, or consent of MAcc Coordinator. (Fall, Spring, Summer)

ACCT 6289. Seminar in Contemporary Issues in Accounting — 3 hrs.
Seminar on topics offered on a rotating basis. Offerings include contemporary issues in auditing, tax planning, international tax and accounting, and accounting theory. May be repeated one time for additional credit. Prerequisite(s): consent of MBA Director or admission to MAcc program. (Variable)

ACCT 6299. Research — 1-3 hrs.
May be repeated for credit. Prerequisite(s): consent of MBA Director and department head, or consent of MAcc Coordinator. (Fall, Spring, Summer)

Actuarial Science Courses (ACT SCI)

TO MEET ANY COURSE PREREQUISITE, GRADE OF C- OR HIGHER IS REQUIRED IN THE PREREQUISITE COURSE.

Courses

ACT SCI 3731. Actuarial Examination Preparation — 3 hrs.
Strengthening student skills solving computational problems similar to those included on actuarial examinations. Analyzing and practicing appropriate choice of problem solving techniques and strategies. May be repeated for credit for preparation for different examinations. (Fall and Spring)

ACT SCI 3780/5780. Mathematics of Finance — 3 hrs.
Measurement of interest, annuities, yield rates, amortization and sinking funds, bonds, term structure of interest rates, interest rate sensitivity, stocks and derivatives, elements of risk management. Prerequisite(s): MATH 1420; junior standing. (Same as MATH 3780/5780) (Spring)

ACT SCI 3790. Introduction to Actuarial Science — 1 hr.
Fundamental concepts of actuarial science; actuarial areas of practice; connections between coursework and actuarial practice; key competencies for actuaries, development of computing and communications skills in the context of actuarial science. Prerequisite(s): ACT SCI 3780/5780/MATH 3780/5780. (Variable)

ACT SCI 4735/5735. Actuarial Mathematics — 3 hrs.
Survival distributions and life tables, life insurance, life annuities, benefit premiums. Prerequisite(s): MATH 3752/5752; junior standing. (Even Falls)

ACT SCI 4739/5739. Topics in Actuarial Science — 3 hrs.
Topics from mathematics of life contingencies, risk theory, survival analysis, construction of actuarial tables, demography, gradation. May be repeated on different topic with consent of instructor. Prerequisite(s): MATH 3752/5752; junior standing. (Odd Springs)

ACT SCI 4785/5785. Introduction to Financial Engineering — 3 hrs.
Financial derivatives, option pricing, Binomial model, Black-Scholes formula, Greeks and hedging, introduction to stochastic calculus, financial model simulation, Monte-Carlo valuation. Prerequisite(s): MATH 3752/5752; junior standing. (Spring)

ACT SCI 4788/5788. Loss Models — 3 hrs.
Applied probability methods used in modeling loss. Loss distributions, aggregate loss models, credibility theory and long term models. Prerequisite(s): MATH 3752/5752; STAT 3775/5775; junior standing. (Odd Falls)

American Sign Language Courses (ASL)

Courses

ASL 3190. American Sign Language (ASL) I — 3 hrs.
Introduction to principles and use of American Sign Language. Prerequisite(s): sophomore standing or consent of instructor. (Fall and Spring)

ASL 3195. American Sign Language (ASL) II — 3 hrs.
Designed for students with basic communication skills in American Sign Language. Emphasis on advanced practice of American Sign Language and study of the deaf culture. Prerequisite(s): ASL 3190 (grade of C or better) (Fall and Spring)

ASL 3196. American Sign Language (ASL) III — 3 hrs.
Designed for students with intermediate communication skills in American Sign Language. Emphasis on advanced practice American Sign Language and study of the deaf culture. Prerequisite(s): successful completion of ASL 3190 and ASL 3195 (grade of C or better). (Variable)

Anthropology Courses (ANTH)

Courses

ANTH 1001. Bones & Stones: The Science of Human Origins — 3 hrs.
This course will focus on the study of human origins employing scientific methods and theories derived from biological anthropology and archaeology. Students will get hands-on experience with various lines or scientific evidence to help develop a deeper understanding of their place in the world by understanding how we got here, tracing that route from our primate past, to becoming bipedal, tool-making, fire users who eventually spread across the globe and created increasingly complex societies. (Fall and Spring)

ANTH 1002. Introduction to Cultural Anthropology — 3 hrs.
Introduction to examining the human condition in cross-cultural perspective. Consideration of the diversity and commonality among human cultures and societies. Includes experiences and perspectives from a wide range of human groups by examining their technologies, economic systems, family life, political structures, art, languages, and religious beliefs and practices. (Fall and Spring)

ANTH 1003. Bones & Stones: The Science of Human Origins Laboratory — 1 hr.
This laboratory course is offered as a supplement to the course Bones and Stones: The Science of Human Origins. Laboratory exercises are designed to introduce students to the scientific method and explore topics including human variation, human and non-human primate anatomy, the primate/hominin fossil record, the archaeology of early humans and other resources to investigate processes that affect human origins. (Fall and Spring)

ANTH 2003. People of the Great Lakes — 3 hrs.
Survey of Great Lakes cultures and societies from the Ice Age to the 21st century. (Fall and Spring)

ANTH 2005. Archaeology for Beginners — 3 hrs.
Introduction to how archaeologists reconstruct past societies from artifacts and ruins. Covers archaeological techniques from excavation to lab analysis. (Fall and Spring)

ANTH 2006. Archaeology for Beginners Laboratory — 1 hr.
This laboratory course is offered as a required supplement and co-requisite to the course Archaeology for Beginners. This course provides a practical introduction to the methods and techniques used by archaeologists in the field and laboratory. Students can expect to learn and practice archaeological techniques outdoors. Corequisite(s): ANTH 2005. (Fall and Spring)

ANTH 2018. Food and Culture — 3 hrs.
This course examines the relationship between human food and culture from a holistic and comparative perspective. Key issues related to food, nutrition, and culture will be considered. Major topics include sociocultural and ecological underpinnings of human nutrition and the evolution of the human food ways and food systems; sociocultural, symbolic, and medical uses of food; food and ethnicity; food and class; food and gender; industrial food, fast food, and traditional food; the political economy of food overconsumption and malnutrition; food and equality; and global food justice. (Variable)

ANTH 2300. World Prehistory and the Rise of Civilizations — 3 hrs.
Archaeology of human evolution from the appearance of Homo sapiens to earth's earliest societies with and emphasis on cultural development of complex civilizations in the Middle East, Americas, Europe, Asia, and Africa. (Fall and Spring)

ANTH 2430. Bioarchaeology — 3 hrs.
This class focuses on the study of human skeletal remains from archaeological settings to aid in reconstructing the biological and cultural pasts of populations. The goals and objectives of this class are to provide the student with a basic knowledge of bioarchaeological theory, methods, and applications with an emphasis on the latest literature and research. The class will be grounded in the scientific approach. The student will leave the class with the ability to examine human skeletal remains with the intent of providing biocultural information about the identity of an individual and how it relates to the overall demographics of the population being studied. Prerequisite(s): ANTH 1001. (Odd Falls)

ANTH 3001. Language and Culture — 3 hrs.
Examination of how language use shapes and expresses cultural identity. Implications of linguistic diversity for world view, gender and ethnic identity, education, and cross-cultural communication. Prerequisite(s): PSYCH 1001 or SOC 1000 or ANTH 1002. (Variable)

ANTH 3010. Climate Change, Human Migration and Conflict — 3 hrs.
There is growing consensus among professionals in the intelligence and security fields that climate change has very real impacts on demographic displacement, vulnerability of growing masses of people to severe disasters (both natural and human-made) and that there are serious near- and long-term implications for national and global security. This course examines current and emerging forms of threats to nations and human communities that result, at least in part, from climate change. (Fall or Spring)

ANTH 3080/5080. Immigration and Transnationalism — 3 hrs.
Comparative multi-disciplinary perspective on international migration and immigrant settlement strategies, with a focus on Western Europe and the United States. Topics cover the main theoretical and contemporary debates within the field of international migration. Prerequisite(s): SOC 1000 or SOC 1060 or ANTH 1002; junior standing. [Same as SOC 3080/5080] (Variable)

ANTH 3102/5102. Culture, Disease, and Healing — 3 hrs.
Introduction to medical anthropology through examination of the interactions among culture, disease, and healing. Emphasis on non-Western medical systems. Topics include development of medical anthropology; the social fabric of health; the cultural context of health, illness, and disease. Prerequisite(s): SOC 1000 or ANTH 1002; junior standing. (Variable)

ANTH 3104/5104. Gender in Cross-Cultural Perspective — 3 hrs.
Evolutionary, biological, psychological, cognitive, social, and cultural theories of gender and gender inequality evaluated with respect to cross-cultural data. Prerequisite(s): PSYCH 1001 or SOC 1000 or ANTH 1002; junior standing. (Same as PSYCH 4608/5608) (Spring)

ANTH 3132. Native North America — 3 hrs.
Ethnographic survey of sociocultural systems developed by Native Americans north of Mexico. Emphasis on relationships that exist among ecological factors, subsistence techniques, social organizations, and belief systems; and the impact interactions with European and U.S. societies had on Indian lifestyles. (Same as HUM 3132) (Variable)

ANTH 3137. Native Central and South America — 3 hrs.
Ethnographic focus on the sociocultural systems of the indigenous peoples of Mesoamerica, Amazon Basin, and the Andean Highlands. Emphasis on inter-relationships among environment, history, social organizations, and belief systems from a holistic and comparative perspective. (Same as HUM 3137) (Fall and Spring)

ANTH 3201. Physical Anthropology: History and Theory — 3 hrs.
Historical perspective on the development of evolutionary thought and how it changed ideas in physical anthropology, including the theoretical foundations of the "modern synthesis", the race concept, primate studies, paleoanthropology, and human ecology and adaptation. Prerequisite(s): ANTH 1001; junior standing. (Spring)

ANTH 3202/5202. Human Biological Variation — 3 hrs.
Exploration of the processes and origins of human biological variability, adaptability, and responses to a changing environment. Prerequisite(s): ANTH 1001; junior standing. (Spring)

ANTH 3420. Forensic Anthropology — 3 hrs.
Introduction to methods used in the recovery of unidentified human remains, their use in establishing identity, the post-mortem interval, pathological defects and traumatic insults and reconstructing the events surrounding death. Knowledge of the human skeletal anatomy preferred. Prerequisite(s): ANTH 1001. (Fall)

ANTH 3431/5431. Interpreting the Archaeological Record — 3 hrs.
Anthropological approaches to archaeology, including history of research; formation of archaeological record; research design, data collection, artifact analysis, classification, interpretation, dating, and inference. Prerequisite(s): ANTH 1001; ANTH 1002; 3 hours of 100/3000/4000-level archaeology or consent of instructor; junior standing. (Odd Falls)

ANTH 3440/5440. Introduction to Museum Studies — 3 hrs.
Exploration of history, public mission, working environment, and ethical issues of museums. Discussion of practical skills and theoretical issues of museum studies, exposing students to broad range of museum types and career opportunities. Prerequisite(s): junior standing. (Same as HIST 4020/5020) (Variable)

ANTH 3450. Archaeological Fieldwork — 3 hrs.
Introduction to field research techniques (survey, excavation, and mapping), laboratory processing, and hypothesis testing. Conducted in the field. Prerequisite(s): ANTH 1001; consent of instructor. (Summer)

ANTH 3500. Slavery and Human Trafficking — 3 hrs.
The purpose of this course is to explore ethnical citizenship through an examination of global slavery and human trafficking. We will begin with a brief look at historic slavery in Europe and Africa and some of the "timeless" aspects of slavery, including sexual abuse, relationships with free people, economic roles, access to freedom or manumission, and rebellion. We will then proceed to a more in-depth examination of African slavery in the Americas, including the United States, between roughly 1492 and the late 1800s. Finally, we will draw from our reflections on historic slavery to examine contemporary forms of human trafficking. Throughout the course we will discuss several common themes in accounts of enslaved and/or trafficked people: their legal status; demographics and work routines; treatment; "conditions of life"; community and culture; access to freedom; relationship to the culture and society of free people; historic and contemporary consumer demands for enslaved and trafficked humans; and life after liberation. (Odd Falls)

ANTH 3501. Research Experience in Anthropology — 1-3 hrs.
Research participation and/or independent supervised research in anthropology. May be repeated for maximum of 6 hours. Prerequisite(s): 15 hours in anthropology; consent of instructor and department head. (Fall, Spring, Summer)

ANTH 3502. Experience in Applied Anthropology — 1-6 hrs.
Work experience in applied anthropology. Requires prior consultation with instructor. Offered on credit/no credit basis only. Prerequisite(s): 12 hours in anthropology; consent of instructor and department head. (Fall, Spring, Summer)

ANTH 3503/5503. Readings in Anthropology — 1-3 hrs.
May be repeated only with consent of department. Prerequisite(s): 9 hours in anthropology; junior standing; consent of instructor and department head. (Variable)

ANTH 4015/5015. Qualitative Research — 3 hrs.
Development and application of the qualitative descriptive and analytic methods used in social science research. Prerequisite(s): SOC 1000 or SOC 1060 or ANTH 1002; junior standing. [Same as SOC 4015/5015] (Variable)

ANTH 4016/5016. Seminar in Anthropology — 3 hrs.
Selected problems within one subfield of anthropology (cultural, physical, archaeological, or anthropological linguistics). Topic listed in Schedule of Classes. May be repeated. Prerequisite(s): vary with topic; junior standing. (Variable)

ANTH 4198. Independent Study — 1-3 hrs.
May be repeated with department head approval. Prerequisite(s): written consent of instructor and department head. (Variable)

ANTH 4485. Anthropology Internship — 1-3 hrs.
Experiential learning through internship placement in an anthropology-related agency or position. Requires prior consultation with instructor. Intended for anthropology majors. May be repeated for maximum of three hours. A maximum of three credit hours of ANTH 4485 or 4585 may count toward the anthropology major. Prerequisite(s): 12 hours in anthropology (ANTH xxxx); major GPA of 2.80 or higher; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

ANTH 4585. Practical Field Experience — 1-3 hrs.
Designed for students currently working in in an anthropology-related agency or position. Provides an opportunity for students to apply academic material to their current jobs in anthropology or a related field. Intended for anthropology majors. May be repeated for maximum three hours. A maximum of three credit hours of ANTH 4485 or 4585 may count toward the anthropology major. Prerequisite(s): 12 hours in anthropology (ANTH xxxx); major GPA of 2.80 or higher; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

Art Education Courses (ARTED)

Courses

ARTED 2500. Foundations in Art Education — 2 hrs.
Introduction to the history and practice of teaching art. Topics include artistic development, media exploration, curricular development and assessment. Field experience required. Prerequisite(s): Foundations Sequence. Prerequisite(s) or corequisite(s): Level I in the Professional Education Sequence, or consent of instructor. (Variable)

ARTED 2600. Methods in Elementary Art Education — 3 hrs.
Comprehensive lesson development and classroom management for K-8 settings. Topics include: childrens art, culture and diversity, art and multi-literacies, classroom management, learning environments, curriculum development and pedagogy for elementary settings. Includes field experience. Prerequisite(s): Level II of Professional Education Requirements; ARTED 2500. (Variable)

ARTED 3505. Methods in Secondary Art Education — 3 hrs.
Comprehensive lesson development for grades 5-12. Topics include technology and alternative teaching tools, materials and practices, classroom safety and management, curriculum development and pedagogy for secondary settings. This course requires 30 hours of Level III field experience. Prerequisite(s): Level II of Professional Education Requirements; ARTED 2500. (Variable)

ARTED 4500. Issues and Theories in Art Education — 2 hrs.
Study and discussion of key social, cultural, and political issues in Art Education. Implications for practice and research in Art Education. Resume and portfolio preparation. Prerequisite(s): ARTED 2500 and Level II of Professional Education Requirements. (Variable)

ARTED 6000. Themes in Art Education — 3 hrs.
Designed to provide an overview of the field of art education in the United States, this course introduces central topics, themes, and scholars in art education through historical and contemporary readings of texts, media, and art. (Variable)

ARTED 6100. Holistic Approaches for Art Education — 3 hrs.
This course provides an overview of holistic research and theory related to the needs of children and young adults. This overview is designed to facilitate studying, critiquing and reflecting upon the art of diverse cultures. Students will explore and investigate discourses about meaning making including creativity, and transformative and integrated learning. Prerequisite(s): acceptance to the M.A. in Art Education program or permission of the Instructor. (Variable)

ARTED 6200. Curriculum and Pedagogy in Art Education — 3 hrs.
This course will examine, explore, and apply theory and research of curriculum and pedagogy in art education. The curriculum and pedagogy theories addressed in this course are situated in both general education and art education in order to provide a variety of ways to think about curricular change. Prerequisite(s): acceptance into M.A. program in Art Education or permission of the instructor.

ARTED 6300. Research Methods in Art Education — 3 hrs.
This course will define and explore art education research approaches and techniques. The class will examine the qualitative research methods with a focus on traditional research methods in art education. Exemplars of current research in Art Education will be discussed. Students will develop competencies through readings, discussions and projects. Prerequisite(s): acceptance into the M.A. in Art Education program or permission of the instructor. (Variable)

ARTED 6500. Seminar in Teaching Art — 3 hrs.
Exploration of various topics in art education. Special emphasis on teaching and learning theories, media and methods. Satisfies special methods elective for the professional core. Required to be repeated for a maximum of 9 hours. (Variable)

Art History Courses (ARTHIST)

Courses

ARTHIST 1004. Visual Perceptions — 3 hrs.
For non-Art majors. Lecture course: experiences in critical responses to the visual arts through analyses of artworks and artistic processes; relationship of the visual arts to other fields of human endeavor. (Fall and Spring)

ARTHIST 1111. Survey of Art History I — 3 hrs.
Introduction to history of art; Ancient through Medieval. (Fall)

ARTHIST 1222. Survey of Art History II — 3 hrs.
Introduction to history of art; Renaissance through Modern. (Spring)

ARTHIST 4000/5000. Research Methods and Writing in Art History — 3 hrs.
Introduction to research methods and writing in art history. Cannot be used to satisfy art history requirements in the studio or art education emphases. Prerequisite(s): completion of Foundations Sequence; junior standing. (Variable)

ARTHIST 4002/5002. Ancient Near Eastern Art — 3 hrs.
Examination of various developments in the Ancient Near East (e.g., Mesopotamia, Anatolia, and the Levant), from formative periods to first millennium, primarily through art and architecture. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisites for non-art majors: junior standing. (Variable)

ARTHIST 4003/5003. Collections Care and Management — 3 hrs.
This course will present topics in museums collections management ranging from object/artifact handling, storage, loaning and conservation to museum ethics, acquisitions, policy-making and research to donors, fundraising, marketing, and education. In addition, the course will cover discussions of what constitutes a museum and why museums collect. Museum professionals from both the UNI Museum and UNI Gallery of Art will present all topics, and classes will include an experiential component that will allow students a more personal involvement with historical artifacts and art objects. Students will be given the opportunity to work with a variety of museum professionals and will engage in real-world museum concerns. Prerequisite(s): junior standing. [Same as HIST 4003/5003] (Fall)

ARTHIST 4010/5010. Ancient Egyptian Art — 3 hrs.
Examination of Egyptian culture from early phases of Pre-Dynastic to first millennium, primarily through art and architecture. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisites for non-art majors: junior standing. (Variable)

ARTHIST 4020/5020. Ancient Greek Art — 3 hrs.
Examination of various developments in the Greek world from Bronze Age through Hellenistic Period, primarily through art and architecture. Prerequisite(s): for Art majors and Art history minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4030/5030. Ancient Roman Art — 3 hrs.
Examination of various developments in the Roman world, from Etruscan through Roman Imperial, primarily through art and architecture. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4040/5040. Medieval Art — 3 hrs.
Examination of various developments in Europe and Western Asia from Late Roman through Gothic, primarily through art and architecture. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4300/5300. Italian Renaissance Art — 3 hrs.
History of 14th, 15th, and 16th century Italian art. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4302/5302. Northern Renaissance Art — 3 hrs.
Examination of Northern European art from the 14th-16th centuries. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4310/5310. 17th and 18th Century Art — 3 hrs.
History of Western art of the 17th and 18th centuries and the visual culture of the period. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4320/5320. 19th Century Western Art — 3 hrs.
History of the art, architecture and visual culture of Europe and the United States from the late 18th century to the end of the 19th century. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4322/5322. History of Photography — 3 hrs.
Survey of history and evolution of photography since its invention in 1839 to present day. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisites for non-Art majors: junior standing. (Variable)

ARTHIST 4340/5340. History of Design — 3 hrs.
Overview of European and American design since 1850. Primary emphasis on graphic design, with secondary focus on architectural and industrial design. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisites for non-Art majors: junior standing. (Variable)

ARTHIST 4350/5350. Early 20th Century Art — 3 hrs.
History of art, architecture and visual culture in Europe and the United States from the late 19th century to mid-20th century. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4352/5352. History of Performance Art — 3 hrs.
An examination of action based visual art in the 20th and 21st centuries produced by artists in Europe, the United States, and Asia. Prerequisite(s): For Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite for non-Art major: junior standing. (Variable)

ARTHIST 4362/5362. Late 20th Century and Contemporary Art — 3 hrs.
A topics-based exploration of global art, architecture and visual culture produced since 1945. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4608/5608. Arts of Africa — 3 hrs.
This course provides a survey of the visual arts of African peoples. We will examine the historical and contemporary visual culture produced by peoples from the selected countries in Africa, and examine continuities and disparities reflected in the Diaspora. Sculpture, pottery, textiles, architecture, painting, and performance will be considered from the perspective of their production and function within the social context. (Variable)

ARTHIST 4900/5900. Myth and Narrative in Art — 3 hrs.
Investigates depictions/translations of myth and narrative in art from ancient to modern times, exploring such concepts as time, story, episode, storyteller, viewer, and metaphor. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111; ARTHIST 1222; junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 or ARTHIST 1222; junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4950/5950. Race and Representation in Art — 3 hrs.
This course uses historical moments of cultural encounter to investigate the role of visual imagery in the production, mediation, conflict, translation, and reproduction of ideas about race, class, and gender. Prerequisite(s): Prerequisite(s) for Art and Graphic Design majors: ARTHIST 1222; junior standing. Prerequisite(s) for other majors: junior standing. (Variable)

ARTHIST 4999/5999. Art History Seminar — 3 hrs.
Focused investigation on topic or topics related to a specific area or time covered in general art history courses. Prerequisite(s): for Art majors and minors: ARTHIST 1111; ARTHIST 1222; three 100/3000/4000-level art history courses; junior standing; consent of instructor. Prerequisite(s) for non-Art majors: junior standing; consent of instructor. (Variable)

Art Studio Courses (ART)

Courses

ART 1002. Visual Inventions — 3 hrs.
For non-Art majors. Studio course: experiences in critical responses to the visual arts through active involvement with various creative processes and media; relationship of the visual arts to other fields of human endeavor. (Variable)

ART 1011. Drawing I — 3 hrs.
Students in this beginning studio course develop technical and observational drawing skills by exploring a wide range of materials and subject matter. (Fall and Spring)

ART 1022. Drawing II — 3 hrs.
Students build on the formal elements and observational techniques explored in Drawing I, while color concepts and media are introduced. Emphasis is placed on further technical development and media experimentation. Prerequisite(s): ART 1011. (Fall and Spring)

ART 1222. Two-Dimensional Concepts — 3 hrs.
Beginning experiences in conceiving and making in two dimensions; emphasis on interaction between work and idea, skills in art making, and common vocabulary of art. (Fall and Spring)

ART 1333. Three-Dimensional Concepts — 3 hrs.
Beginning experiences in conceiving and making in three dimensions; emphasis on interaction between work and idea, skills in art making, and common vocabulary of art. (Fall and Spring)

ART 2020. Ceramics I — 3 hrs.
Introduction to basic techniques for forming and finishing ceramic objects. Development of handbuilding and wheelthrowing skills contributing to creative exploration. Assignments directed toward understanding both functional and sculptural aesthetic concerns. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Fall and Spring)

ART 2030. Graphic Design I — 3 hrs.
Introduction to design-based problem-solving through lectures, projects, and critiques. Emphases on typography, layout, and images, with extensive computer use. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Fall and Spring)

ART 2050. Painting I — 3 hrs.
Introduction to oil painting. Emphases are on observational painting from still life and exploring abstraction. Students will develop skills in color theory, design, and expression of content, and by completing assignments of increasing complexity. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Fall and Spring)

ART 2060. Performance Art I — 3 hrs.
Emphasis on action over object production; exploration of interdisciplinary art making in real space and time as means of creative expression; examination of various approaches to performance including Dada, Fluxus, Japanese Butoh, and Conceptualism. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Fall and Spring)

ART 2070. Creative Photography I: Digital Photography — 3 hrs.
Introduction to photography as a means of creative expression. Basic camera operations, digital editing and printing. Assignments are directed toward the acquisition of basic skills and creative thinking. An understanding of photographic language in the development of a distinct personal vision is considered in the context of historical and contemporary photography. Digital SLR camera required. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Fall and Spring)

ART 2080. Printmaking I: Strategies — 3 hrs.
Introduction to fine art print processes (digital, relief and intaglio) using contemporary formats such as zines, stenciling, large-scale prints; and collaboration. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Fall and Spring)

ART 2082. Printmaking: Screenprint — 3 hrs.
Introduction to screenprinting processes. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Variable)

ART 2083. Printmaking: Relief Processes — 3 hrs.
Beginning experiences in fine art printmaking, concentrating on relief processes including woodcut. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Variable)

ART 2090. Sculpture I — 3 hrs.
Introduction to essential methods and materials of sculpture, including modeling, carving, casting, and metal and wood fabrication techniques. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Fall and Spring)

ART 3001. Drawing III — 3 hrs.
Students pursue directed intermediate and advanced research in drawing with emphasis placed on the development of personal direction in content and the handling of media. Prerequisite(s): ART 1011 and ART 1022. (Variable)

ART 3011. Life Drawing — 3 hrs.
Drawing from model using variety of media. May be repeated for credit. Prerequisite(s): ART 1022. (Variable)

ART 3020. Ceramics II — 3 hrs.
Continuation of 600:050 with further development of student's understanding of firing techniques and formulation of clay and glazes. Prerequisite(s): ART 2020. (Fall and Spring)

ART 3022. Ceramics III — 3 hrs.
Focused exploration of lowfire, mid-temperature, and highfire ceramics techniques. Emphasis on development of individual's ideas and direction, and relating personal aesthetic concerns to historical and contemporary work. Prerequisite(s): ART 3020. (Fall and Spring)

ART 3023/5023. Ceramic Raw Materials and Glaze Calculations — 3 hrs.
In-depth understanding of origins and use of ceramic materials in making art. Development of clay bodies and formulation of glazes. Discussion of health and safety concerns when using ceramic materials in studio or classroom. Prerequisite(s): ART 3020; junior standing. (Variable)

ART 3030. Graphic Design II — 3 hrs.
Intensified exploration of design-based problem solving through lectures, projects and critiques, with emphases on type, imagery, and layout. Involves extensive computer use. Prerequisite(s): ART 2030. (Fall and Spring)

ART 3031. Graphic Design: Identity System Design — 3 hrs.
Intensive overview of the design of identity systems (such as integrated marketing systems), including logos or symbols, letterheads, packaging, signage and other applications. Involves extensive computer use. Prerequisite(s): ART 3030. (Variable)

ART 3032. Graphic Design: Digital Image Design — 3 hrs.
Lectures, problems and critiques in the development and use of pictorial imagery for use in the context of graphic design, both print and web. May include a wide range of digital techniques, such as montage, photography and animation. Involves extensive computer use. Prerequisite(s): ART 3030. (Variable)

ART 3033. Graphic Design: Typography — 3 hrs.
In-depth study of issues in typography through lectures, problems, and critiques, with extensive computer use. Includes type selection, typesetting, and page layout, from historic, technical, and esthetic perspectives. Prerequisite(s): ART 3030. (Variable)

ART 3034. Graphic Design: Publication Design — 3 hrs.
Studio problems in publication design; relevant grid, text and page formatting models addressed (classical, asymmetrical, and hybrid). Research and analysis of contemporary examples. Integration of typography and image in books and magazines. Prerequisite(s): ART 3030. (Variable)

ART 3035. Graphic Design: Motion Graphics — 3 hrs.
Experiential problems in the planning, design and refinement of digitally animated productions, using type, imagery, sound, and other components. Involves extensive computer use. Prerequisite(s): ART 3030. (Variable)

ART 3036. Graphic Design: Web and Interactive Design — 3 hrs.
Lectures, problems and critiques on organizing, designing, and constructing web-based interfaces, with emphasis on e-commerce. Includes information architecture, navigation methods, and other aspects of interactive digital forms. Prerequisite(s): ART 3030. (Variable)

ART 3037. Graphic Design: Book Structures — 3 hrs.
Lectures, problems and critiques on the invention and construction of innovative handmade book structures. Considers the content, form, and function of books. Prerequisite(s): ART 3030 or consent of instructor. (Variable)

ART 3038. Graphic Design: Portfolio Preparation — 3 hrs.
Advanced problems in organizing and presenting a graphic design portfolio in anticipation of professional interviews. Addresses self-assessment, portfolio structure and sequence. Prerequisite(s): ART 3030, and two additional 100/3000/4000-level graphic design studio courses. (Variable)

ART 3039. Graphic Design: User Experience Design — 3 hrs.
Students will be introduced to User Experience (UX) and User Interface (UI) Design for expanding design-critical thinking beyond visual creativity. Students will demonstrate various exercises to understand fundamental theories and methods within UX/UI design. With the completion of given tasks and practices, students will implement a project within UX/UI of a product and mobile App design. Prerequisite(s): ART 3030; junior standing. (Variable)

ART 3050. Painting II — 3 hrs.
Intermediate level course in oil painting. Students will develop conceptual approaches to content and abstraction through observational and process-based assignments. Prerequisite(s): ART 2050. (Fall and Spring)

ART 3055. Painting III — 3 hrs.
Advanced course in oil painting. Students will complete directed projects in abstraction and develop their personal expression with special emphasis on creating an independent series of work. Prerequisite(s): ART 3050. (Fall and Spring)

ART 3060. Performance Art II — 3 hrs.
Exploration of action-based artmaking with emphasis placed on site specific and durational works. Discussion of relationships between artist and audience, as well as the introduction of basic digital video editing. Prerequisite(s): ART 2060; junior standing. (Fall and Spring)

ART 3066/5066. Performance Art III — 3 hrs.
Focused exploration of action-based art with greater emphasis on self-direction. Directed study of contemporary time-based artwork. Strategies of live art documentation and development of a performance portfolio. Prerequisite(s): ART 3060; junior standing. (Fall and Spring)

ART 3070. Creative Photography II — 3 hrs.
Further exploration of digital photography as well as the introduction of traditional and experimental processes using light sensitive materials. Introduction of other camera formats including the 4x5 view camera (provided by the department). Assignments are directed to encourage greater creative thinking and to explore the possibilities of photographic expression. Introduction to critical theory supports in-class critique. Prerequisite(s): ART 2070 or equivalent. (Fall and Spring)

ART 3077. Creative Photography III — 3 hrs.
Further exploration of fine art photography. Assignments explore the use of artificial lighting and alternative methods of image production and display. Investigation of a variety of other strategies will expand the aesthetic and conceptual possibilities of student work. Additional emphasis on critical theory. Prerequisite(s): ART 3070. (Fall and Spring)

ART 3080. Printmaking II: Applications — 3 hrs.
Intermediate exposure to fine art print processes (digital, screenprint, and lithography) with emphasis on contemporary applications involving artists' books, wearable and street art formats. Prerequisite(s): ART 2080. (Fall and Spring)

ART 3088. Printmaking III: Directions — 3 hrs.
Advanced use of fine art print processes (digital, relief, intaglio, screenprint, lithography and related technologies) emphasizing the use of color printmaking techniques and individual creative direction. Prerequisite(s): ART 3080. (Fall and Spring)

ART 3090. Sculpture II — 3 hrs.
Exploration of contemporary issues in sculpture through materials and processes selected by the individual. Emphasis on understanding interrelationships between specific concepts, forms, and materials. Prerequisite(s): ART 2090. (Fall and Spring)

ART 3099. Sculpture III — 3 hrs.
Focused exploration of concepts and media which reflect interests of student. Emphasis on developing a personal aesthetic and conceptual and critical base for continued work. Prerequisite(s): ART 3090. (Fall and Spring)

ART 4000. Undergraduate Studio — 1-6 hrs.
Advanced study in studio area: Ceramics, Drawing, Painting, Performance Art, Photography, Printmaking, or Sculpture. Credit to be determined by instructor at registration. May be repeated for credit. Prerequisite(s): 9 hours in chosen area; consent of instructor. (Fall and Spring)

ART 4010/5010. Professional Practices — 3 hrs.
Career preparation for the contemporary visual artist, designer, art educator, or art historian; preparation for graduate school, and professional roles and responsibilities. Prerequisite(s): junior standing. (Fall and Spring)

ART 4111. B.F.A. Project I — 3 hrs.
Investigation of individual concepts and techniques in studio preparation for Bachelor of Fine Arts exhibition. Prerequisite(s): admission to B.F.A. program; senior standing; consent of instructor. (Fall and Spring)

ART 4198. Independent Study — 1-6 hrs.
Students of outstanding ability are allowed to write a proposal for an independent project that cannot be done in regular university courses. A project form must be filled out with instructor and approved by the Department of Art. Prerequisite(s): Art Studio students must have completed 9 hours in their studio concentration. Art History students must have completed three upper-level art history courses; all students must have a cumulative and Art GPA of 3.00. (Fall and Spring)

ART 4222. B.F.A. Project II — 3 hrs.
Investigation of individual concepts and techniques culminating in professional Bachelor of Fine Arts exhibition. Prerequisite(s): ART 4111; consent of instructor; B.F.A. exhibition must be scheduled concurrently. (Fall and Spring)

ART 4300/5300. Seminar: Critical Issues in Contemporary Art — 3 hrs.
Critical analysis and discussion of contemporary art. May be repeated once for credit. Prerequisite(s): admission to the B.F.A. degree program; junior standing; or consent of department head. (Variable)

ART 4400. B.F.A. Exhibition.
No credit. (Fall and Spring)

ART 6297. Practicum.
May be repeated. (Variable)

ART 6299. Research.
Prerequisite(s): consent of department. (Fall and Spring)

Athletic Training Courses (AT)

Courses

AT 1010. Introduction to Athletic Training & Clinical Healthcare — 3 hrs.
Introduction to healthcare professions with emphasis on practice guidelines, policies and procedures, risk management, roles and responsibilities of healthcare professionals, and common illnesses and injuries. (Variable)

AT 1018. Prevention and Care of Athletic Injuries — 2 hrs.
Provides foundational athletic training content that is pertinent for students preparing to enter the athletic coaching or physical education field. Emphasis placed on orthopedic injury description, prevention, treatment, and recovery. Prerequisite(s): KINES 2050 or AT 3020. (Fall, Spring, Summer)

AT 1019. Prevention and Care Laboratory — 1 hr.
Laboratory experiences in athletic injury prevention and care including taping and wrapping. Prerequisite(s) or corequisite(s): AT 1018. (Fall and Spring)

AT 2000. Clinical Healthcare Experience — 1 hr.
Practical experience in health care settings. May be repeated for maximum of 8 hours. (Fall and Spring)

AT 3000. Athletic Training Clinical Integration — 1-2 hrs.
Entry-level educational experiences in athletic training knowledge and skills including: 1) skill competencies tied to athletic training coursework, 2) clinical experience, 3) completion of clinical integration proficiencies, and 4) comprehensive learning. This course is to be taken over a minimum of four semesters and will include a clinical experience during each semester. (May be repeated for maximum of 8 hours). (Fall and Spring)

AT 3010. Athletic Training Terminology — 1 hr.
The content delivered in this course will allow students to gain knowledge specific to musculoskeletal human anatomy and injury terminology. Prerequisite(s): AT 1010. (Summer)

AT 3011. Clinical Skills in Athletic Training — 1 hr.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic training clinical experience (AT 3000 Clinical Integration). (Summer)

AT 3020. Clinical & Gross Human Anatomy — 3 hrs.
Clinically relevant anatomy of the human body which includes palpation, range of motion assessment, neurological testing, structure identification and function, as well as prosected gross human anatomy structure identification. (Spring)

AT 3030. Acute Care — 3 hrs.
Foundational theory, ethics, components, indications, and psychomotor skills of acute and emergency care. (Variable)

AT 3031. Acute Care Clinical Skills — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3030. Prerequisite(s): AT 1010; Corequisite(s): AT 3030. (Fall)

AT 3040. Foundations of Orthopedic Injury Assessment & Pathology I — 3 hrs.
Foundational recognition and understanding of injuries and conditions occurring to the lower extremities. Prerequisite(s): AT 3020 or consent of instructor. (Variable)

AT 3042. Injury Assessment Clinical Skills I — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3040. Prerequisite(s): AT 3020. Corequisite(s): AT 3040. (Fall)

AT 3050. Foundations of Orthopedic Injury Assessment & Pathology II — 3 hrs.
Foundational recognition and understanding of injuries and conditions occurring to the upper extremities, torso, axial skeleton, and head. Prerequisite(s): AT 3040 or consent of instructor. (Variable)

AT 3052. Injury Assessment Clinical Skills II — 2 hrs.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3050. Prerequisite(s): AT 3040. Corequisite(s): AT 3050. (Spring)

AT 3060. Athletic Training Administration and Professional Development — 3 hrs.
Entry-level theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): AT 1010; junior standing. (Variable)

AT 3072. Therapeutic Interventions Clinical Skills I — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3070. Prerequisite(s): AT 1010; AT 3011; AT 3020; junior standing. Corequisite(s): AT 3070. (Fall)

AT 3080. Therapeutic Interventions II — 3 hrs.
Entry-level study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 3070; AT 3020; junior standing. (Variable)

AT 3082. Therapeutic Interventions Clinical Skills II — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3080. Prerequisite(s): AT 3020; AT 3070; junior standing. Corequisite(s): AT 3080. (Spring)

AT 3091. Foundations of Pharmacology — 3 hrs.
Effects, indications, and contraindications of common therapeutic medications as it relates to general medical conditions. Prerequisite: department consent. (Variable)

AT 3110. Psychological Considerations for Athletic Injuries and Rehabilitation — 2 hrs.
Understanding of psychological considerations associated with athletic injury including athletic training scope of practice, recognition/intervention, motivation, and common conditions. Prerequisite(s) or corequisite(s): AT 3040. (Variable)

AT 3120. Clinical Decision Making in Athletic Training and Orthopedic Pathology I — 3 hrs.
Entry-level study of the pathology of lower body orthopedic injuries and conditions that are commonly seen by certified athletic trainers and the process of making clinical decisions based on an understanding of evidence based athletic training relative to the type and severity of injury. Clinical decisions specific to orthopedic injury include: immediate care, recognition, diagnostic criteria, referral, and prognosis. (Fall)

AT 3125. Clinical Decision Making in Athletic Training & Orthopedic Pathology II — 3 hrs.
Entry-level study of the pathology of upper body orthopedic injuries and conditions that are commonly seen by certified athletic trainers and the process of making clinical decisions based on an understanding of evidence based athletic training relative to the type and severity of injury. Clinical decisions specific to orthopedic injury include: immediate care, recognition, diagnostic criteria, referral, and prognosis. (Spring)

AT 3250. Preventive Health Care Techniques — 3 hrs.
Theoretical and practical study of strategies and programs to prevent the incidence and/or severity of injuries and illnesses and optimize the overall health and quality of life of patients. This includes nutrition and physical activity in maintaining a healthy lifestyle and preventing chronic disease. Prerequisite(s): AT 3011; AT 3020; AT 3030; AT 3050; junior standing. (Variable)

AT 3300. Gross Human Anatomy — 3 hrs.
The exploration of human anatomy through human cadaver dissection. Prerequisite(s): Consent of AT Program. (Variable)

AT 4030/5030. Advanced Acute Care in Athletic Training — 3 hrs.
The theory, ethics, components, indications, and psychomotor skills of emergency care in athletic training. Evidence-based research and practices are explored in relation to standard practices. Prerequisite(s): Admission into the Professional Masters Athletic Training program. (Variable)

AT 4032/5032. Advanced Acute Care Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4030/5030. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 4070. Foundations of Therapeutic Interventions & Rehabilitation — 3 hrs.
Foundational study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions. Prerequisite(s): AT 3050 or consent of instructor. (Fall)

AT 4072/5072. Advanced Therapeutic Interventions I Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4270/5270. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 4100/5100. Advanced Clinical Anatomy — 3 hrs.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic

training clinical experience, and clinical anatomy of the human body including palpation, range of motion, and structure identification and function. Prerequisite(s): Admission into the Master of Athletic Training program. (Variable)

AT 4130. General Medical Conditions — 3 hrs.
Foundational study of general medical conditions and disabilities commonly seen by healthcare providers. Prerequisite(s): AT 3020. (Variable)

AT 4140. Current Trends in Athletic Training — 2 hrs.
Discussion of current topics and trends in the clinical practice and professional development of athletic training. Prerequisite(s): AT 3050. (Fall)

AT 4150. Athletic Training Seminar — 2 hrs.
Resume writing, interviewing, and a comprehensive review of the athletic training educational competencies. Prerequisite(s): AT 3060; senior standing. (Spring)

AT 4160. Evidence Based Practice in Health Care — 3 hrs.
This course will provide an in-depth analysis of the concept and process of evidence-based decision making as it applies to health care. The concept de-emphasizes sole reliance on non-systematic approaches such as intuition, experience, and mechanism based reasoning as justification for making clinical decisions, and emphasizes the incorporation of science, systematic outcomes assessment, and patient values into the process. Students will learn the skills and the application of formal rules of evidence in reviewing clinical research and assessing patient outcomes. Students will search and review current literature, including experimental and observation research, case studies, position statements, comprehensive reviews, and clinical guidelines that are directed toward the treatment and rehabilitation of musculoskeletal injuries. Prerequisite(s): junior standing. (Spring)

AT 4210/5210. Pathoetiology and Orthopaedic Assessment I — 3 hrs.
In-depth study of pathological, etiological, and neuromuscular mechanisms of musculoskeletal injuries with emphasis on advanced orthopaedic assessment techniques of the lower body. Prerequisite(s): Admission into the Master of Athletic Training program. (Variable)

AT 4215/5215. Pathoetiology and Orthopaedic Assessment I Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4210/5210. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 4270/5270. Advanced Therapeutic Interventions I — 3 hrs.
Advanced study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 4100/5100; AT 4550/5550. (Variable)

AT 4550/5550. Advanced Athletic Training Clinical Skills — 2 hrs.
Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic training clinical experience. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6000. Integrated Clinical Experiences — 1-4 hrs.
Comprehensive educational experiences in athletic training psychomotor and cognitive domains, and clinical proficiencies to be supervised/mentored in multiple practicum sections through athletic training field experiences, integrated teaching lab activities, and skills-based assessment. May be repeated; 11 credit hours required, may be repeated up to 13 credit hours. Prerequisite(s): Admission into the Masters Athletic Training program. (Fall, Spring, Summer)

AT 6060. Athletic Training Organization & Professional Responsibility — 3 hrs.
Theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): Admission into M.ATR. program. (Variable)

AT 6080. Advanced Therapeutic Interventions II — 3 hrs.
Advanced study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 4270/5270. (Variable)

AT 6082. Advanced Therapeutic Interventions II Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6080. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6130. General Medical Assessment & Intervention — 3 hrs.
Study of general medical conditions and disabilities commonly seen by certified athletic trainers. Prerequisite(s): Admission into M.ATR. program. (Variable)

AT 6220. Pathoetiology and Orthopaedic Assessment II — 3 hrs.
In-depth study of pathological, etiological, and neuromuscular mechanisms of musculoskeletal injuries with emphasis on advanced orthopaedic assessment techniques of the upper body. Prerequisite(s): Admission into the Master of Athletic Training program. (Variable)

AT 6225. Pathoetiology and Orthopaedic Assessment II Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6220. Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6240. Evidence Based Practice I — 3 hrs.
In-depth analysis of current literature, research, case studies, and techniques directed toward the treatment and prevention of musculoskeletal injuries to the upper body of the physically active. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Variable)

AT 6250. Evidence Based Practice II — 2 hrs.
In-depth analysis of current literature, research, case studies, and techniques directed toward the treatment and prevention of musculoskeletal injuries to the lower body of the physically active. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Odd Falls)

AT 6255. Health Assessment & Preventive Practices — 3 hrs.
Advanced theoretical and practical study of strategies and programs to prevent the incidence and/or severity of injuries and illnesses and optimize the overall health and quality of life of patients. This includes nutrition and physical activity in maintaining a healthy lifestyle and preventing chronic disease. Prerequisite(s): Admission to the M.ATR. program. (Variable)

AT 6260. Gross Human Anatomy & Orthopedic Surgical Interventions — 3 hrs.
Exploration of human anatomy through human cadaver dissection, along with an in-depth study of pathological, biomechanical, and neuromuscular mechanisms of musculoskeletal injuries and the study of orthopedic surgical interventions commonly performed for musculoskeletal injuries. Prerequisite(s): Admission to the M.ATR. program. (Variable)

AT 6275. Mental Health Care in Athletic Training Practice — 3 hrs.
This course promotes the understanding of mental health care as it relates to athletic training practice and the coordination of care as it pertains to athletic training patients. The focus of this course includes the understanding of mental health disorders, diagnostic criteria, appropriate referral to qualified health care providers, and treatment options. The course will also address patient response to orthopedic injury and its interdependent relationship with activity limitations and participation restrictions. Prerequisite(s): Admission to the M.ATR. program. (Variable)

AT 6289. Seminar in Athletic Training — 1-8 hrs.
Special topics in athletic training and/or other allied health professions as indicated in the Schedule of Classes. May be repeated for credit. Prerequisite(s): Admission to the M.ATR. program. (Fall and Spring)

AT 6297. Practicum — 1-4 hrs.
Practical experience in athletic training which includes, but is not limited to teaching, research, and clinical practice. May be repeated for maximum of 8 hours. Prerequisite(s): Admission to the M.ATR. program. (Fall and Spring)

AT 6300. Advanced Gross Human Anatomy — 3 hrs.
The exploration of human anatomy through human cadaver dissection. Prerequisite(s): consent of AT Program. (Variable)

AT 7310. Critical Theories and Practices in Rehabilitation — 3 hrs.
In-depth examination of current theories and practices relevant to the field of athletic training. Building on foundational theory, students will analyze and critique the clinical practices and philosophies of certified athletic trainers and/or other allied health professionals. Prerequisite(s): Admission to the M.ATR. program. (Variable)

AT 7320. Clinical Teaching Skills in Allied Health Professions — 3 hrs.
Examination of issues and problems in teaching clinical proficiencies including the roles of clinical instructors, factors affecting teaching and the learning environment, learning over time, course planning, and teaching strategies. Prerequisite(s): Admission to the M.ATR. program. (Variable)

Biology Courses (BIOL)

Courses

BIOL 1012. Life: The Natural World — 3 hrs.
Examines the natural world as a system, emphasizing interactions among living organisms and with their environments, with a focus on human-environmental interactions, and the importance, origins, and maintenance of biodiversity. Content theme is centered on building an appreciation for the ways scientists work with and learn about the natural world. Students will comprehend scientific studies and infer meaning from graphical displays of data and apply knowledge of biological systems to contemporary problems, such as greenhouse gasses, impacts of climate change, the biodiversity crisis, and disease transmission. Discussion, 3 periods. Declared biology majors cannot receive either university or elective credit for this course. (Fall and Spring)

BIOL 1013. Life: The Natural World - Lab — 1 hr.
This course provides activities illustrating the importance, origins, and maintenance of biodiversity with a focus on the interactions among organisms and between organisms and the environment. The laboratory will emphasize the process of science, and students will practice skills scientists use to answer questions about the natural world. Lab, 2 periods. Declared biology majors cannot receive either university or elective credit for this course. Prerequisite(s) or corequisite(s): BIOL 1012. (Fall and Spring)

BIOL 1014. Life: Continuity and Change — 3 hrs.
Introduction to contemporary topics in the life sciences with a focus on the biological processes that allow life to continue through generations and those that cause change through time. Emphasis on gene structure and function and applications of biology to human concerns. Content theme is centered on building an appreciation for the ways scientists work with and learn about the processes of life. Students will apply knowledge of biological concepts to contemporary and ethical issues, such as diseases and treatments, genetic engineering, cloning, and inheritance of family traits. Discussion, 3 periods. Declared biology majors cannot receive either university or elective credit for this course. (Fall and Spring)

BIOL 1015. Life: Continuity and Change - Lab — 1 hr.
Activities illustrating the role of biology in our present society. Emphasis is placed on activities investigating life science concepts related to human concerns, including human genetics and variation. DNA and DNA fingerprinting, human disease and disease transmission, and basic cellular function. The laboratory will emphasize the process of science, and students will practice skills scientists use to answer questions about the processes of life. Lab, 2 periods. Declared biology majors cannot receive either university or elective credit for this course. Prerequisite(s) or corequisite(s): BIOL 1014 or equivalent. (Fall and Spring)

BIOL 1033. Principles of Microbiology — 4 hrs.
Basic concepts and practical applications of microbiology in daily life; health and disease including basic aspects of immunology and host-microbe interactions. Designed for students majoring in areas other than the sciences. For biology majors and minors counts only for university elective credit. Sections may be offered exclusively for nurses in training. Discussion, 3 periods; lab, 2 periods. (Fall)

BIOL 2051. General Biology: Organismal Diversity — 4 hrs.
Study of organismic biology emphasizing evolutionary patterns and diversity of organisms and interdependency of structure and function in living systems. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 2051 and BIOL 2052 cannot be taken concurrently. (Fall and Spring)

BIOL 2052. General Biology: Cell Structure and Function — 4 hrs.
Introduction to the properties and functions of biological molecules, organization of living cells, production and utilization of energy, and development of multicellular organisms. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 2051 and BIOL 2052 cannot be taken concurrently. (Fall and Spring)

BIOL 3100. Evolution, Ecology and the Nature of Science — 3 hrs.
Unifying principles of biology: how organisms interact with each other and the environment, the genetic continuity of life, and how past history affects life. Readings and student-led discussions explore concepts in detail. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. BIOL 3100 and BIOL 3140 cannot be taken concurrently. (Fall and Spring)

BIOL 3101. Anatomy and Physiology I — 4 hrs.
Structure and function of organ systems of human body. For students in allied health fields or other university-approved programs. Others must have consent of department head. For Biology majors and minors, counts only for university elective credit. Discussion, 3

periods; lab, 2 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130, or consent of department head. (Fall and Spring)

BIOL 3102. Anatomy and Physiology II — 4 hrs.
Continuation of BIOL 3101. For students in allied health fields or other university-approved programs. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): C- or better in BIOL 3101 or BIOL 3106. (Fall and Spring)

BIOL 3106. Vertebrate Anatomy — 4 hrs.
Consideration of the origin and evolution of vertebrates and comparison of vertebrate structure and function. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Fall)

BIOL 3107. Environmental Physiology — 3 hrs.
Introduction to how animals physiologically adapt to the various unique environmental conditions in which they live. Lecture, 3 hours. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Variable)

BIOL 3108. Vertebrate Histology — 4 hrs.
Microscopic study of cells and tissues from various vertebrate organ systems. Integration of gross anatomy and physiology through illustrating how microscopic ultrastructure is related to organ function. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Variable)

BIOL 3112. Invertebrate Zoology — 4 hrs.
Morphology, physiology, phylogeny, taxonomy, and ecology of the invertebrates. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Variable)

BIOL 3118. Marine Biology — 3 hrs.
Study of the diversity of life in the ocean, including marine ecology, physiology, and current issues in oceanography. Discussion, 3 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Variable)

BIOL 3120. Plant Diversity and Evolution — 4 hrs.
Form and function in vegetative and reproductive organs in all plant divisions, from algae to flowering plants, and their importance in evolutionary thought and plant classification. Lecture, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Spring)

BIOL 3140. Genetics — 4 hrs.
Analytical approach to classical, molecular, and population genetics. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. BIOL 3100 and BIOL 3140 cannot be taken concurrently. (Fall and Spring)

BIOL 3147. Cancer and Emerging Infectious Diseases — 3 hrs.
Cellular and molecular study of cancer, its epidemiology, standard and novel cancer treatments, examination of emerging and re-emerging infectious diseases, their causative organisms, and human immune responses to them. Discussion, 3 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Spring)

BIOL 3151. General Microbiology — 4 hrs.
Physiology, morphology, taxonomy, immunology, and pathogenicity of microbes, with applications to medicine, agriculture, sanitation, and industry. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Fall and Spring)

BIOL 3160. Field Zoology of Vertebrates — 4 hrs.
Identification and natural history of Iowa vertebrates. Emphasis on field trips. Discussion, 2 periods; lab and field work, 6 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Spring)

BIOL 3170. Entomology — 3 hrs.
Introduction to biology of insects. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): BIOL 2051; BIOL 2052; CHEM 1110 and CHEM 1120, or CHEM 1130. (Even Falls)

BIOL 3174. Field Biology: _____ — 1-3 hrs.
Selected topics in field biology, emphasizing hands-on techniques for field observation, and testing of evolutionary and ecological hypotheses. Offered both on- and off-campus in flexible format. Topics and hours listed in Schedule of Classes. May be repeated for credit on different topic. Prerequisite(s): vary with topic. (Variable)

BIOL 3179. Cooperative Education — 1-6 hrs.
Up to 12 hours of ungraded credit (credit/no credit basis) may be taken as university electives. (Fall, Spring, Summer)

BIOL 3181. Investigations in Life Science — 4 hrs.
Introduction to significant life science concepts and models of effective teaching related to elementary school life science. Topics include cellular structure and function, inheritance, plant systems, and human systems. Discussion and/or lab, 5 periods. Prerequisite(s): SCI ED 1200. (Odd Falls)

BIOL 3185. Readings in Biology — 1-3 hrs.
Independent readings in biology from selected list approved in advance. Maximum of 3 hours for biology major or minor. Prerequisite(s): consent of department. (Fall, Spring, Summer)

BIOL 3189. Seminar — 1-2 hrs.
(Variable)

BIOL 3190. Undergraduate Research in Biology — 1-3 hrs.
Research activities under direct supervision of Biology faculty members. Credit determined prior to registration based upon student proposal with agreement of faculty advisor. May be repeated. Prerequisite(s): BIOL 2051; BIOL 2052; sophomore standing; consent of department. (Fall, Spring, Summer)

BIOL 3191. Senior Thesis — 1 hr.
Senior research thesis. Open only to and required for students pursuing the B.S. Biology or B.A. Biology Honors Emphasis. Prerequisite(s): consent of department head. (Fall, Spring, Summer)

BIOL 4105/5105. Wildlife Ecology and Management — 4 hrs.
Applied population management of game and nongame wildlife. Lab emphasizes field techniques, population modeling, and habitat management planning. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Odd Falls)

BIOL 4108/5108. Biodiversity Conservation Policy — 3 hrs.
Review of laws and policies affecting endangered species, ecosystem management, and biodiversity conservation in the United States. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Even Springs)

BIOL 4114/5114. Comparative Animal Physiology — 4 hrs.
Physical and chemical basis of cellular/organ functions across various animal phyla. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; CHEM 2040 or CHEM 2210; junior standing. (Even Falls)

BIOL 4116/5116. Neurobiology — 3 hrs.
Survey of vertebrate nervous systems. Examination of several levels of organization ranging from molecules to neurons to larger systems in the brain. Discussion, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; CHEM 2040 or CHEM 2210; junior standing. (Spring)

BIOL 4121/5121. Plant Biotechnology — 4 hrs.
Highlights the theory and applications of plant tissue cultures, genetic engineering (including use of plants for production of antibodies and vaccines), marker-assisted selection, and genomics. Lab component gives students practical experience with the biotechnology applications discussed in lecture. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Odd Falls)

BIOL 4122/5122. Plant Physiology — 4 hrs.
How plants work: uptake and use of water and materials, synthesis and transport of organic compounds, growth and development, and responses to environment. Lecture, 3 periods; lab, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; CHEM 2040 or CHEM 2210; junior standing. (Variable)

BIOL 4127/5127. Bioinformatics Applications for Biology — 3 hrs.
Introduction to computer based analyses and management applications for molecular biological data. Topics include bioinformatics history, instrumentation, PC applications, resources, data bases, and discussions of genomics and proteomics applications. Discussion, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Variable)

BIOL 4128/5128. Cell Biology — 4 hrs.
Foundation in cell structure, organization, and function, with emphasis on signal transduction, cell trafficking and cell cycle control. Lab will emphasize developing laboratory skills and improving analytical and writing abilities. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; CHEM 2040 or CHEM 2210; junior standing. (Spring)

BIOL 4129/5129. Genomics — 3 hrs.
Genome sequencing, analysis of sequence variation, sequencing for disease diagnosis, comparative genomics, personal genomics, the epigenome in disease development, analysis of gene expression. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Even Falls)

BIOL 4130/5130. Genetic Technologies in Medicine — 3 hrs.
Study of genetic technologies in medicine, including causes of human genetic disorders, screening and diagnosis, genomic profiling, personalized medicine, genetic therapies, and ethics. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Odd Springs)

BIOL 4137/5137. Vertebrate Physiology — 4 hrs.
Study of functional mechanisms for cellular processes in select vertebrate organ systems. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; CHEM 2040 or CHEM 2210; junior standing. (Odd Falls)

BIOL 4142/5142. Evolutionary Biology — 3 hrs.
Conceptual overview of evolutionary theory, mechanisms of evolutionary process, speciation and major evolutionary events. Discussion, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Spring)

BIOL 4144/5144. Virology — 4 hrs.
Introduction to virus structure, replication, genetics, pathogenicity, host interactions, detection, epidemiology, evolution, and virology methods. Health, agriculture, research and industry applications. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Even Springs)

BIOL 4146/5146. Developmental Biology of Animals — 4 hrs.
Major concepts and central questions of animal development and controlling mechanisms. Laboratory emphasis on experimental inquiry and developmental anatomy. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Spring)

BIOL 4150/5150. Immunology — 4 hrs.
Focus on multiple levels of human immunity, from organs/cells to molecular events. Basic immunology and relationships between immunology and various disease states. Laboratory experiences include many commonly-used immunology techniques. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Fall)

BIOL 4157/5157. Biostatistics — 3 hrs.
Introduction to methods used to analyze and interpret quantitative biological data. Emphasis on parametric statistics; use of "R" software for data analysis and presentation. Lecture, 2 hours; lab, 2 hours. Prerequisite(s): MATH 1140, or MATH 1120 and MATH 1130, or MATH 1420, or equivalent; BIOL 3100; BIOL 3140; junior standing. (Fall)

BIOL 4164/5164. Mammalogy — 4 hrs.
Biology of mammals, including evolutionary history, zoogeography, ecology, and diversity. Laboratory emphasis on identifications, natural history, and field techniques. Lecture, 3 periods; lab and field, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Fall)

BIOL 4166/5166. Plant Systematics — 4 hrs.
Classification and identification of vascular plants, with emphasis on evolution of species and larger groups. Discussion, 2 periods; lab and field work, 4 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Odd Falls)

BIOL 4167/5167. Conservation Biology — 3 hrs.
Biodiversity and threats to it, extinction, conservation of endangered species, protected areas, ex situ conservation, private land conservation, ecological economics. Lecture/discussion, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Spring)

BIOL 4168/5168. Ecology — 4 hrs.
Principles of organismal adaptation, species interactions, and population, community, and ecosystem structure/dynamics. Lab emphasizes student-led experiments, data analysis, and scientific writing. Lecture/discussion, 3 periods; lab, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Fall)

BIOL 4172/5172. Developmental Plant Anatomy — 4 hrs.
Structure and function of flowering plants, with emphasis on cell and organ development. Lecture, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Even Falls)

BIOL 4180/5180. Restoration Ecology — 4 hrs.
Ecological principles applied to restoration of degraded ecosystems. Lab covers hands-on techniques in regional restoration and reconstruction. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): BIOL 3100; BIOL 3140; junior standing. (Odd Springs)

BIOL 4198. Independent Study — 1-6 hrs.
(Fall, Spring, Summer)

BIOL 6202. Graduate Colloquium and Scientific Skills — 2 hrs.
Regular presentations by students, faculty members, or visitors on biological topics combined with instructional guidance to build scientific literacy, writing, and statistical skills. Taken each semester

for four semesters for maximum of 8 hours. Discussion, 2 periods. (Fall and Spring)

BIOL 6230. Special Problems in Biology — 1-6 hrs.
Credit determined at registration. (Problems in biology other than those for theses or in regular curricular offerings.) May be repeated. Prerequisite(s): BIOL 6292 recommended; consent of department. (Fall, Spring, Summer)

BIOL 6240. Advanced Cellular and Molecular Biology — 3 hrs.
Selected topics concerning understanding of function of living organisms at molecular and cellular level: regulatory mechanisms, recombinant DNA techniques, gene expression, and genetics of diseases. Lecture/discussion, 3 periods. May be repeated on different topic. Prerequisite(s): consent of instructor. (Odd Springs)

BIOL 6250. Advanced Physiology and Development — 3 hrs.
Selected topics concerning understanding of organ, organ system, and organism structure and function: immune system, cellular signaling mechanisms, photosynthesis, and cell motility and development. Lecture/discussion, 3 periods. May be repeated on different topic. Prerequisite(s): consent of instructor. (Odd Falls)

BIOL 6260. Advanced Ecology — 3 hrs.
Selected topics of ecology, concerning the understanding of relationships among organisms, and between organisms and their environments (natural or artificial): physiological ecology, conservation biology, and aquatic ecology. Lecture/discussion, 3 periods. May be repeated on different topic. Prerequisite(s): consent of instructor. (Even Springs)

BIOL 6270. Advanced Systematics and Evolutionary Biology — 3 hrs.
Selected topics concerning understanding of systematic and evolutionary relationships among organisms and evolutionary biology: evolutionary theory, systematics, and origin of life. Lecture/discussion, 3 periods. May be repeated on different topic. Prerequisite(s): consent of instructor. (Even Falls)

BIOL 6289. Seminar — 1 hr.
May be repeated for credit. (Variable)

BIOL 6292. Research Methods in Biology — 1 hr.
Introduction to research methods in biology. Emphasis on literature review, proposal preparation, and manuscript style. Discussion, 1 period. (Fall and Spring)

BIOL 6297. Practicum — 2 hrs.
May be repeated. (Variable)

BIOL 6299. Research.
Prerequisite(s): consent of department. (Fall, Spring, Summer)

BIOL 629R. Directed Research.
(Fall, Spring, Summer)

Business Administration, Interdepartmental Courses (BUSINESS)

Courses

BUSINESS 1000. Introductory Seminar for Business Professionals.
0 hrs. Required for new business majors, an introduction to the College of Business curriculum, learning resources, and academic expectations; exploration and identification of career goals; introduction to the professional expectations of the corporate world. Pass/no credit only. (Fall)

BUSINESS 2000. Business Professionals in Training.
0 hrs. Focuses on the professional skills expected by employers; includes self-awareness of personal values/traits; assessment of communication, interpersonal, and thinking skills; career management; knowledge of business enterprise; business professionalism. Pass/no credit only. Prerequisite(s): BUSINESS 1000 or consent of College of Business advisor; pre- or declared business majors only. (Fall and Spring)

BUSINESS 2100. Global Skills — 3 hrs.
This class is set up with a study abroad as its focus, which will provide students with hands-on learning experiences designed to increase understanding of another cultural and economic environment different from their own. Through a variety of assignments and site visits, students will gain an invaluable introduction to various countries; their ecology, history and geography, as well as current cultural, business, and, in some cases, environmental practices. (Variable)

BUSINESS 3000. Intermediate Professional Skills: (topic).
0 hrs. Experiential course focuses on the professional skills expected by employers; may include self-awareness of personal values/traits; assessment of communication, interpersonal, and thinking skills; career management; business professionalism; professional use of business software. Topics vary by section and semester. Pass/no credit only. Prerequisite(s): BUSINESS 2000 or consent of College of Business advisor; may be repeated in subsequent semesters; business majors only. (Fall and Spring)

BUSINESS 3025. Business Analysis Techniques — 3 hrs.
How to make good decisions for an organization using quantitative and qualitative methods. Topics include probability, decision theory, critical thinking, marginal analysis, inventory and project management, discrete and continuous distributions, sampling distribution theory, confidence intervals, hypothesis testing, and linear regressions. Prerequisite(s): admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 3030. Accounting Concepts — 3 hrs.
How to keep track of an organization's financial resources. Students will learn about accounting procedures and practice the skills involved in financial and managerial accounting. Prerequisite(s): admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 3035. Information Systems for Professionals — 3 hrs.
How to manage information as an organizational resource, beginning with an overview of the systems that produce information and help organizations use it effectively. Topics include storing, organizing, analyzing, securing, and protecting information for an array of business processes. Prerequisite(s): admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 3050. The Art of Managing People at Work — 3 hrs.
This course focuses on the recruitment, retention and development of an organization's most important resource....its people. Discussion and readings will cover what distinguishes top talent from mediocre talent and what makes an organization an employer of choice. Leadership, conflict management, negotiations along with other important management differentiators will also be covered. Prerequisite(s): admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 3060. Law, Society, and Business — 3 hrs.
Develop broader understanding of the role organizations play in society -- locally, nationally, and globally. Ethics, law, technology, and ecology are some of the elements that combine to make this a crucial and constantly changing challenge for organizations. Prerequisite(s): admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 3065. Entrepreneurship and Opportunity — 3 hrs.
How to implement lean start-up methodology. Emphasis on customer discovery and marketplace feedback to determine real pain points and unmet needs of customers before launch. Entrepreneurial best practices are covered in preparation for entrepreneurial or intrapreneurial endeavors. Prerequisite(s): admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 3070. Topics: Effective Business Practices — 3 hrs.
Selected topics in business and management. Examples could include leadership, negotiation, communication in a diverse workplace, global trade practices, etc. Prerequisite(s): admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 3154. Global Skills — 2-3 hrs.
Combines cultural immersion with practical techniques and a liberal arts education to develop the interpersonal competency necessary to work effectively with individuals from around the world. Prerequisite(s): junior standing. (Same as CAP 3154) (Summer)

BUSINESS 3155. Socio-Economic Reality of Central America — 2 hrs.
Focus on the impact of culture in the work environment and the social and economic environment of Central America to explore how culture might impact a country's economic status in the global economy. Prerequisite(s): junior standing. [Same as CAP 3155] (Fall and Spring)

BUSINESS 3169. International Experience.
The successful completion of an approved study abroad experience, or a departmental internship or cooperative education experience that includes a significant international component. Pass/no credit. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

BUSINESS 4000. Advanced Professional Skills.
0 hrs. Experiential course where students focus on building leadership skills in addition to gaining mastery of those professional skills needed for success in the workplace. Coaching is provided to help students identify where and how these higher-level skills may be mastered. Pass/no credit only. Prerequisite(s): BUSINESS 2000; BUSINESS 3000 or consent of College of Business advisor; may be repeated in subsequent semesters; business majors only. (Fall and Spring)

BUSINESS 4040. Applied Business Finance — 3 hrs.
How to manage an organization's financial resources. Emphasis is on analyzing financial statements, time value of money, management of cash flow, risk and return, and valuation. Prerequisite(s): ECON 1031 (or ECON 1041 and ECON 1051); BUS 3025; BUS 3030; admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 4045. Practical Marketing for Organizations — 3 hrs.
How to make sure the world knows what you want them to know about your organization. Economic, business, and social environments are considered in developing a marketing plan for product, place, price, promotion, and customer service. Prerequisite(s): ECON 1031 (or ECON 1041 and ECON 1051); BUS 3025; BUS 3030; admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 6280. Topics in Business — 1-3 hrs.
Selected topics in business. May be repeated. Anticipated typical credit of 1 hour. Prerequisite(s): consent of MBA Director. (MBA Modules I, II, and III)

Business Teaching Courses (BUSTEACH)

Courses

BUSTEACH 2091. Introduction to Curriculum and Methods for Business Education — 2 hrs.
Introduction to secondary level business curriculum. (Fall)

BUSTEACH 3117. Field Experience in Business Teaching — 1 hr.
Field experience for those seeking licensure to teach Business Education at the secondary and postsecondary level. Includes cooperative work in keyboarding at elementary level and second experience at middle school level. Offered on credit/no credit basis only. Prerequisite(s): TEACHING 2017. Corequisite(s): BUSTEACH 3191. (Spring)

BUSTEACH 3191. Advanced Curriculum and Methods for Business Education — 2 hrs.
Curriculum development, motivation, specific presentation methods, and evaluation as applied to business programs. Prerequisite(s): TEACHING 2017. Corequisite(s): BUSTEACH 3117. Prerequisite(s) or corequisite(s): BUSTEACH 2091. (Spring)

Capstone Courses (CAP)

The following courses satisfy the Liberal Arts Core Category 6 Capstone Experience. The most current list of approved Liberal Arts Core Capstone courses is designated in each semester Schedule of Classes and also on the Liberal Arts Core Web site www.uni.edu/lac.

Courses

CAP 3102. Living in Our Techno-Social World — 3 hrs.
Exploration of the complex relationships between technology and society. Students discover how social systems affect the nature and use of technology and how the nature and use of technology affect social systems. Prerequisite(s): junior standing. (Same as TECH 3102) (Spring)

CAP 3103. Multidisciplinary Perspectives on Genocide: Case Studies — 3 hrs.
Introduces students to current perspectives on the Holocaust and other genocides from a variety of disciplines; examines the past and current significance of genocide to these disciplines and to the international community. Prerequisite(s): junior standing. (Fall and Spring)

CAP 3105. Sacred Space — 3 hrs.
This course asks why certain space is considered sacred and what the effect of that sacred space is on the profane space around it. Takes an interdisciplinary approach, drawing on such fields as anthropology, art, architecture, history, and religion. Prerequisite(s): junior standing. (Variable)

CAP 3106. Theatre in Education — 3 hrs.
Application of theatre performance and improvisation techniques to the teaching of a specific curricular topic intended for young

audiences. Prerequisite(s): junior standing. (Same as THEATRE 3100) (Variable)

CAP 3121. Creativity and the Evolution of Culture — 3 hrs.
Explores creativity from a Systems Perspective - as achievement resulting from a confluence of the Individual, the Domain, and the Field. Investigates creativity's role in the advance of culture; provides student opportunities to enhance personal creativity. Prerequisite(s): junior standing. (Variable)

CAP 3123. Greece: From the "Cradle of Democracy" to Today — 3 hrs.
A three-week, summer study-abroad and experiential learning course in Greece that allows students to experience Greece and its diverse cultural heritages from the perspectives of geography, history, religion, material culture (i.e., visits to archaeological sites, museums, monuments, churches, etc.) and contemporary Greeks. Prerequisite(s): junior standing. (Variable)

CAP 3124. Democracies — 3 hrs.
Addresses the varieties of democracy in theory and practice. Examines the threats to and opportunities for democracy posed by globalization. Studies relationships between democracy and various economic systems and geographical issues. Prerequisite(s): junior standing. (Variable)

CAP 3125. Globalization, Cultural Pluralism and International Security — 3 hrs.
Addresses the impact of globalization and cultural pluralism on the quality of human life and international security. Special emphasis given to environmental, ethnic, and international migration issues. Prerequisite(s): junior standing. (Variable)

CAP 3128. Ethics in Communication — 3 hrs.
Exploration of ethical dimensions and dilemmas in communication. [Same as COMM 3236] (Fall and Spring)

CAP 3129. Being National — 3 hrs.
Nearly all people in the world today are "national". But what really is national identity? Has it always existed? Where does it come from? This course examines the evolution of modern nations since the eighteenth century; the character of "being national" today in America, Europe, and other areas of the world; the powerful role that religion continues to play in national identify formation; the implications of globalization for national identity; how immigrants experience national identify; and, finally, the constructed and contingent nature of nations and national identify. Prerequisite(s): junior standing. (Variable)

CAP 3130. Science and Pseudoscience: Critiquing the World Around You — 3 hrs.
Daily, we are bombarded with interesting and novel breakthroughs and findings, for which these claims may or may not be true. This course builds off student knowledge to apply critical thinking and scientific analysis to controversial topics from various disciplines in the world around us. Prerequisite(s): junior standing. (Fall and Spring)

CAP 3131. Analysis of Social Issues — 3 hrs.
Critical thinking skills applied to rhetoric about issues confronting society. How to use philosophy, logic, social science and natural science to critique arguments and engage in meaningful discourse. Prerequisite(s): junior standing. (Fall and Spring)

CAP 3134. Back in the Valley: Martin Luther King, Jr. and the 21st Century — 3 hrs.
Using the social thought and action of Martin Luther King, Jr., as an analytical backdrop, students explore the socioeconomic and political context in the United States today. Students will be required to examine their own moral development, social thinking, faith perspectives, and decision-making processes. Uses an interdisciplinary and comprehensive approach. Students are required to investigate what community resources are available for the disadvantaged. Prerequisite(s): junior standing. (Variable)

CAP 3140. Environment, Technology, and Society — 2 hrs.
Emphasis on relationships and interactions of physical, biological, technological, and cultural components of environment. Study of selected interdisciplinary problems. Elaborates on student's previous university experience and develops environmental literacy. Prerequisite(s): completion of both Liberal Arts Core Life Sciences and Physical Sciences requirements; junior standing. (Fall, Spring, Summer)

CAP 3144. Genocide in Writing and Film — 3 hrs.
Exploration of the complex interaction among occurrences of genocide, memory of them (individual, collective, and cultural), and print and cinematic representations of these historical events. Emphasis on how writing and film have shaped audience awareness and understanding of different genocides as well as individual, collective, and cultural responses to them. Prerequisite(s): junior standing. (Same as ENGLISH 3144) (Variable)

CAP 3148. The Holocaust in Literature and Film — 3 hrs.
Examination of responses to the Holocaust in literary texts and visual narratives. Includes issues of survivor testimony and representation, the possibilities and limitations of language and cinematic images, the role of memory, and questions of ethics and trauma. [Same as ENGLISH 3148] (Variable)

CAP 3151. Money, Sex and Power: Theories of Race, Class and Gender — 3 hrs.
Examination of social and ethical aspects of oppression and privilege in personal and political life. Study of concepts and meaning of categories such as race, ethnicity, class, gender and sexuality, and evaluation of strategies of resistance and/or accommodation. Prerequisite(s): junior standing. (Variable)

CAP 3152. Complementary, Alternative, and Integrative Health — 3 hrs.
Introduction to the concepts, theoretical basis, evidence-based analysis, and challenges and issues in integrative health and complementary and alternative medical practices (CAM). Integrative, alternative, and complementary medicine covers a broad range of healing philosophies, approaches, and therapies involving the use of holistic or culturally-specific health services and practices in the treatment of illness and disease and embraces an expanded concept of health and illness. Prerequisite(s): junior standing. (Same as PH 3650) (Variable)

CAP 3154. Global Skills — 2-3 hrs.
Combines cultural immersion with practical techniques and a liberal arts education to develop the interpersonal competency necessary to work effectively with individuals from around the world. Prerequisite(s): junior standing. (Same as BUSINESS 3154) (Summer)

CAP 3155. Socio-Economic Reality of Central America — 2 hrs.
Focus on the impact of culture in the work environment and the social and economic environment of Central America to explore how culture might impact a country's economic status in the global economy. Prerequisite(s): junior standing. (Same as BUSINESS 3155) (Fall and Spring)

CAP 3157. Monsters, Vampires, and Religion: An Awesome Alliance — 3 hrs.
As they read Religion and its Monsters by Timothy Beal and Frankenstein by Mary Shelley, students enhance their knowledge of the role monsters play in religion and develop proficiency in recognizing and analyzing religious undercurrents in our contemporary fascination with monsters. Students draw on skills/interests from their majors to complete a project about monsters in a contemporary novel. Prerequisite(s): junior standing. [Same as RELS 3157] (Summer)

CAP 3158. The Water Planet — 3 hrs.
Investigates the interconnected role water, as a natural resource, plays at the junction between the social and physical environments of Earth. Topics include issues of water resources related to scientific, engineering, political, cultural, economic, and legal matters. Prerequisite(s): junior standing. (Fall, Spring, Summer)

CAP 3159. Creation Myths in Ancient Cultures — 3 hrs.
Creation Myths in Ancient Cultures

CAP 3160. Community and Public Health — 3 hrs.
Examination of the major public health issues facing the U.S. and world population. Investigation of major public health initiatives, public policy, and ethical issues related to public health. Prerequisite(s): junior standing. (Same as PH 3160) (Variable)

CAP 3162. Ireland: Literature, Culture, History — 3 hrs.
Applying various perspectives from the arts, humanities, and social sciences to selected topics and issues in Irish literature, culture, and history; includes visits to notable related sites in Ireland. Generally offered as a Summer Study Abroad course. [Same as ENGLISH 3162] (Even Summers)

CAP 3165. Intercultural Perspectives — 3 hrs.
An interdisciplinary approach for understanding intercultural perspectives and developing effective intercultural skills for meeting the challenges of today's interconnectedness of societies and cultures both locally and globally. (Same as GER 3334 and TESOL 3565) (Fall and Spring)

CAP 3173. Bio-Medical Ethics — 3 hrs.
Application of principles and analytic methods of ethical theory to contemporary issues in medical practice and research. Topics include fundamental concepts of health and disease, life and death; rights and obligations of medical practitioners and their patients; informed consent and confidentiality; abortion and euthanasia; reproductive and transplantation technologies; and health policy and the provision and rationing of health care. (Same as RELS 3510 and PHIL 3510) (Fall and Spring)

CAP 3187. Blues and Jazz in African American Film and Literature — 3 hrs.
African American experiences in Spirituals, Blues, Gospel, Ragtime, Jazz, and Rap/Hip-Hop applied to study of narrative strategies, themes, and ideologies of resistance and survival in African American films and literature. (Same as ENGLISH 3577) (Variable)

CAP 3190. Idea of the University — 3 hrs.
An examination of the role of the university in American society with a focus on: (1) what it has been, (2) how it has evolved, and (3) what its key purposes are and should be. Topics may include a brief historical overview, an examination of current models of institutions of higher education, discussion and evaluation of key problems facing higher education, and an exploration of future trends and proposed "innovations" in higher education. Prerequisite(s): junior standing. (Variable)

CAP 3194. Perspectives on Death and Dying — 3 hrs.
Multidisciplinary study of death, dying, and bereavement across cultures, religious and ethnic groups, and historical periods, with attention to ritual and memoir, ethical dilemmas at the end of life, and psychology of mourning. (Same as RELS 3110 and PHIL 3110) (Fall and Spring)

Career Technical Education Courses (CTE)

Courses

CTE 4110/5110. Methods for Career and Technical Education — 2 hrs.
This online course is designed for those wanting to learn more about teaching a Career and Technical Education in a K-12 setting. The course will include innovative teaching strategies and novel ways to keep students engaged in the classroom. You will become familiar with planning and assessing CTE programs as well as promoting your program within your school. Prerequisite(s): junior standing. (Fall, Spring, Summer)

CTE 4120/5120. Assessment and Evaluation in Career and Technical Education — 2 hrs.
Assessments and Techniques for evaluating student learning and programs in career and technical education. Prerequisite(s): junior standing. (Fall, Spring, Summer)

CTE 4130/5130. Curriculum Design for Career and Technical Education — 2 hrs.
Designing curriculum that aligns with a post-secondary course of study, academic standards, and local program of study needs and constraints. Emphasis on authentic learning and programs of study. Prerequisite(s): junior standing. (Fall, Spring, Summer)

CTE 4140/5140. Foundations of Career and Technical Education — 2 hrs.
Foundations of Career and Technical Education provides a historical perspective of how career and technical education has evolved in society and education. This course looks at the different influences and factors that have contributed to CTE and how CTE has changed throughout the years. Topics include federal and state legislative initiatives, CTE organizations, and the impact of educational reform on Career and Technical Education and workforce development. Prerequisite(s): junior standing. (Fall, Spring, Summer)

CTE 4150/5150. Implementation of Work-based Learning Programs — 2 hrs.
This course is designed to fulfill the requirement of work-based learning coordinator techniques for MOC licensure in Iowa (required under approved career and technical education programs) and for secondary endorsements in special education. Students learn the basics of planning, organizing, and implementing work-based learning to address two goal areas: specific occupational skill development and standard work-behavior development. Primary areas of study include how to implement training plans and agreements; develop liaison relationships with the community; evaluate student performance; provide relevant classroom instruction; involve parents and guardians; and counsel students for job application, work performance and transition into work/post-secondary training. Federal and state employment laws and other primary resources to assist in the coordination process will be identified and utilized in developing a

local plan for implementing work-based learning. Prerequisite(s): junior standing. (Fall, Spring, Summer)

Chemistry and Biochemistry Courses (CHEM)

Courses

CHEM 1010. Principles of Chemistry — 4 hrs.
Basic concepts of chemistry, the periodic table and its relation to atomic structure and chemical properties. How the understanding of changes in matter and energy is important in both living and non-living systems. Work of the chemist and the interactions of chemistry with other activities of humankind. Discussion, 3 periods; lab, 2 periods. No credit for student with credit in any college chemistry course. (Fall and Spring)

CHEM 1011. Molecules and Life — 3 hrs.
Basic concepts of chemistry, with an emphasis on the structure and function of molecules in living systems. Discussion, 3 periods. No credit for student with credit in any college chemistry course. (Fall and Spring)

CHEM 1012. Matter Matters — 3 hrs.
All the matter around us is made of atoms, and we are constantly making choices about how we use and interact with the chemical aspects of our world. Many ethical questions accompany these choices. This course explores how the scientific method advances knowledge, informs individual and societal decisions, and enables students to understand the importance of chemistry in their everyday lives. (Fall)

CHEM 1020. Chemical Technology — 4 hrs.
Basic concepts of inorganic and organic chemistry and their applications to industrial processes. Emphasis on application of chemical principles in materials, energy production and use, and environmental problems. Discussion, 3 periods; lab, 3 periods. No credit for student with credit in any college chemistry course. (Fall and Spring)

CHEM 1110. General Chemistry I — 4 hrs.
Structure of matter, its physical properties and laws describing them, the periodic table and its relation to atomic structure and chemical properties, and non-metallic elements and their compounds. Students with extensive background in high school chemistry and mathematics may enter CHEM 1130 following departmental advisement. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): satisfactory ALEKS score or equivalent. (Fall, Spring, Summer)

CHEM 1120. General Chemistry II — 4 hrs.
Continuation of CHEM 1110 with emphasis on intermolecular forces, solutions, kinetics, chemical and ionic equilibrium, and thermodynamics. Discussion, 3 periods; lab, 3 periods. For pre-professional students and science majors with a special interest in chemistry. Prerequisite(s): CHEM 1110 or equivalent. (Fall, Spring, Summer)

CHEM 1130. General Chemistry I-II — 5 hrs.
Accelerated course for well-prepared students. Content similar to CHEM 1110 and CHEM 1120 but covered in one semester. Completion satisfies General Chemistry requirement of any chemistry major. Discussion, 4 periods; lab, 3 periods. Prerequisite(s): consent of department head. (Fall)

CHEM 1610. Careers In Chemistry — 1 hr.
Presentations describing career opportunities and current areas of research in chemistry. Offered on credit/no credit basis only. No credit toward any major. Discussion, 1 period. (Spring)

CHEM 2010. Chemical Safety Seminar — 1 hr.
Overview of laboratory and chemical safety principles, including regulatory considerations. May not be used for credit toward a chemistry minor. Prerequisite(s): CHEM 2040 or CHEM 2210 or equivalent. (Spring)

CHEM 2040. Applied Organic and Biochemistry — 4 hrs.
Basic concepts in organic chemistry and biochemistry, including nomenclature, functional groups, reactivity, and macromolecules. No credit for students with credit in CHEM 2220. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): CHEM 1010 or CHEM 1120 or CHEM 1130. (Fall and Spring)

CHEM 2110. Descriptive Inorganic Chemistry — 4 hrs.
Properties, structures, reactions, and applications of elements and their most important compounds. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): CHEM 1120 or CHEM 1130. (Fall and Spring)

CHEM 2210. Organic Chemistry I — 3 hrs.
Fundamentals of organic chemistry. For majors in the sciences and those preparing for medically-related careers. Discussion, 3 periods. Prerequisite(s): CHEM 1120 or CHEM 1130. (Fall, Spring, Summer)

CHEM 2220. Organic Chemistry II — 3 hrs.
Continuation of CHEM 2210. Discussion, 3 periods. Prerequisite(s): CHEM 2210. (Fall, Spring, Summer)

CHEM 2230. Organic Chemistry Laboratory — 2 hrs.
Purification and identification techniques and some representative organic reactions. Lab, 6 periods. Prerequisite(s) or corequisite(s): CHEM 2210. (Fall and Spring)

CHEM 2320. Chemical Analysis — 3 hrs.
A survey of modern analytical techniques and quantitative methodology, including spectroscopic analysis, mass spectrometry, chromatographic separations, electrochemical techniques, sample introduction, and data analysis. Discussion, 3 periods. Prerequisite(s): CHEM 1120 or CHEM 1130. (Fall and Spring)

CHEM 2330. Chemical Analysis Laboratory — 2 hrs.
Techniques and calculations of modern quantitative analysis, with a principal focus on precision in laboratory measurements and statistical treatment of data. Includes analysis of unknown mixtures and practical applications of modern analysis. Lab, 6 periods. Prerequisite(s) or corequisite(s): CHEM 2320. (Fall and Spring)

CHEM 3600. Undergraduate Research in Chemistry — 1-3 hrs.
May be repeated. Prerequisite(s): Credit applied to the B.S. Biochemistry or B.S. Chemistry major requires the following prerequisites: CHEM 2110 or CHEM 2230 or CHEM 2330 or consent of department head. (Fall, Spring, Summer)

CHEM 4110/5110. Inorganic Chemistry — 3 hrs.
Applications of principles of physical chemistry to inorganic systems, with emphasis on chemistry of transition elements. Discussion, 3 periods. Prerequisite(s): CHEM 2110; CHEM 2210; CHEM 4420/5420; junior standing. (Odd Springs)

CHEM 4150/5150. Advanced Inorganic Chemistry — 3 hrs.
Coordination chemistry, organometallics, materials chemistry, or other advanced topics in inorganic chemistry. May be repeated on different topics with consent of instructor. Discussion, 3 periods.

Prerequisite(s): CHEM 4110/5110 or consent of instructor; junior standing. (Variable)

CHEM 4200/5200. Nanoscience — 3 hrs.
Study of nanoscale materials and processes, with emphasis on the preparation and characterization of materials with nanometer scale dimensions; investigation of how nanoscale dimensions produce unique chemical and physical properties; nanoscale microscopy and spectroscopic methods of investigation. Prerequisite(s): CHEM 1110 and CHEM 1120 (or CHEM 1130); PHYSICS 1511 or PHYSICS 1701; PHYSICS 1512 or PHYSICS 1702; junior standing. [Same as PHYSICS 4200/5200] (Odd Falls)

CHEM 4210/5210. Nanotechnology — 3 hrs.
Study of nanoscale materials and processes, with emphasis on the current and potential future applications of materials with distinctive properties due to their nanometer scale dimensions; nanoporous materials; discussion of the broader implications of nanotechnology in areas such as government policy, occupational safety and medical technology. Prerequisite(s): CHEM 1110 and CHEM 1120 (or CHEM 1130); PHYSICS 1511 or PHYSICS 1701; PHYSICS 1512 or PHYSICS 1702; junior standing. [Same as PHYSICS 4210/5210] (Even Falls)

CHEM 4220/5220. Organic Structure Analysis — 3 hrs.
Use of infrared and ultraviolet-visible spectroscopy, proton and carbon magnetic resonance, mass spectrometry, and other physical and chemical methods for assignment of structure to organic compounds. Discussion, 3 periods. Prerequisite(s): CHEM 2230; CHEM 2320; junior standing. (Even Springs)

CHEM 4250/5250. Advanced Organic Chemistry — 3 hrs.
Product analysis, kinetics, and mechanism of organic reactions. May be repeated on different topics with consent of instructor. Discussion, 3 periods. Prerequisite(s): CHEM 2220; CHEM 4430/5430; or consent of instructor; junior standing. (Variable)

CHEM 4310/5310. Instrumental Analysis — 3 hrs.
Application of physical chemical principles to chemical analysis with an emphasis on the practice of instrumental methods of analysis such as spectrophotometric, electroanalytical, chromatographic, and computerized techniques. Discussion, 1 period; lab, 5 periods. Prerequisite(s): CHEM 2210; CHEM 2320; CHEM 2330; junior standing. Prerequisite(s) or corequisite(s): CHEM 4420/5420. (Fall)

CHEM 4350/5350. Advanced Analytical Chemistry — 3-4 hrs.
Chromatography, spectroscopy, electrochemistry, or other advanced topics in analytical chemistry. May be repeated on different topics with consent of instructor. Discussion, 3 periods; if offered for 4 hours, lab 3 additional periods. Prerequisite(s): CHEM 4310/5310; CHEM 4420/5420; CHEM 4430/5430; or consent of instructor; junior standing. (Variable)

CHEM 4420/5420. Physical Chemistry I — 3 hrs.
Application of quantum mechanics, thermodynamics, and kinetics to chemical behavior on the microscopic and macroscopic scales. Discussion of the harmonic oscillator, atoms and molecules, spectroscopy, energy changes during reactions, chemical equilibrium and reaction mechanisms. Discussion, 3 periods. Prerequisite(s): CHEM 1120 or CHEM 1130; MATH 1420; PHYSICS 1512 or PHYSICS 1702; junior standing. (Fall)

CHEM 4430/5430. Physical Chemistry II — 3 hrs.
Continued applications of quantum mechanics, thermodynamics, and kinetics to chemical behavior. Relationships between thermodynamic energies, properties of mixtures, angular momentum, multielectron systems, the Boltzmann distribution, and the kinetic theory of gases. Discussion, 3 periods. Prerequisite(s): CHEM 4420/5420, MATH 1421; junior standing. (Spring)

CHEM 4440/5440. Physical Chemistry Laboratory — 2 hrs.
Physical measurement techniques in chemistry. Lab, 6 periods. Prerequisite(s): CHEM 2320; CHEM 2330; CHEM 4420/5420; junior standing. Prerequisite(s) or corequisite(s): CHEM 4430/5430. (Spring)

CHEM 4450/5450. Advanced Physical Chemistry — 3 hrs.
Molecular structure, chemical kinetics, quantum mechanics, or other advanced topics in physical chemistry. May be repeated on different topics with consent of instructor. Discussion, 3 periods. Prerequisite(s): CHEM 4420/5420; CHEM 4430/5430; or consent of instructor; junior standing. (Variable)

CHEM 4505/5505. Drugs, Poisons, and Venoms — 3 hrs.
Biology, chemistry, and biochemistry of drugs, poisons, and venoms, with consideration of associated criminal and societal issues. Discussion, 3 periods. Prerequisite(s): CHEM 2040 or CHEM 2220; junior standing. (Fall and Spring)

CHEM 4510/5510. Biochemistry I — 3 hrs.
Structure and function of biologically important molecules including amino acids, proteins, carbohydrates, lipids, and nucleic acids, and enzyme kinetics. Lecture, 3 periods. Prerequisite(s): CHEM 2220; junior standing. (Fall and Spring)

CHEM 4520/5520. Biochemistry II — 3 hrs.
Continuation of CHEM 4510/5510/5510. Bioenergetics; intermediary metabolism of carbohydrates, lipids, and amino acids; macromolecular biosynthesis; and current topics in biochemistry. Lecture, 3 periods. Prerequisite(s): CHEM 4510/5510; junior standing. (Spring)

CHEM 4530/5530. Biochemistry Laboratory — 2 hrs.
Introduction to biochemical methodology. Chromatographic and electrophoretic purifications of proteins, lipids, and nucleic acids; chemical characterizations of amino acids, peptides, carbohydrates, and fatty acids; study of enzyme kinetics. Lab, 6 periods. Prerequisite(s): CHEM 4510/5510; junior standing. Prerequisite(s) or corequisite(s): CHEM 4520/5520. (Fall and Spring)

CHEM 4550/5550. Advanced Biochemistry — 3 hrs.
Amino acid and nucleotide biosynthesis and degradation, signal transduction, or other advanced topics in biochemistry. May be repeated on different topics with consent of instructor. Discussion, 3 periods. Prerequisite(s): CHEM 4510/5510; CHEM 4520/5520; junior standing. (Variable)

CHEM 4605/5605. Introduction to Polymer Science — 3 hrs.
This course is designed as an upper-level undergraduate and introductory graduate-level elective to teach the fundamentals of polymer science. The course is intended to introduce students to some of the major concepts of polymer science: a history of macromolecules; structure and bonding in polymers; types of polymerizations; natural and biological polymers; and sustainability and recycling. Prerequisite(s): CHEM 1120 or CHEM 1130; junior standing. (Odd Summers)

CHEM 4610/5610. Advanced Synthesis Laboratory — 2 hrs.
Advanced techniques in synthesis, purification, and characterization of organic and inorganic compounds. Lab, 6 periods. Prerequisite(s): CHEM 2110; CHEM 2230; junior standing. Prerequisite(s) or corequisite(s): CHEM 2220. (Fall)

CHEM 4620/5620. Special Problems in Chemistry — 1-6 hrs.
Credit determined at registration. Problems selected according to needs of students. May be repeated for credit. Prerequisite(s): consent of department head; junior standing. (Variable)

CHEM 4630/5630. Research Methods and Chemical Literature — 1-3 hrs.
Concepts and procedures for developing a chemical research problem; use and importance of chemical literature. Prerequisite(s): junior standing. (Fall and Spring)

CHEM 5159. Concepts in Chemistry: A Molecular Modeling Approach — 3 hrs.
Concepts in Chemistry: A Molecular Modeling Approach

CHEM 6289. Seminar — 1 hr.
Current topics in chemistry. May be repeated.

CHEM 6299. Research.
Prerequisite(s): consent of department head. (Fall, Spring, Summer)

CHEM 629R. Directed Research.
(Fall and Spring)

Chinese Courses (CHIN)

Courses

CHIN 1001. Elementary Chinese I — 4-5 hrs.
For beginners. (Variable)

CHIN 1002. Elementary Chinese II — 4-5 hrs.
Continuation of CHIN 1001. Prerequisite(s): CHIN 1001 or consent of instructor. (Variable)

CHIN 1011. Intermediate Chinese I — 4-5 hrs.
Continuation of CHIN 1002. Progressive development of writing, reading, and speaking skills through sequence of exercises relating to daily practical living. Grammatical refinement using numerous illustrations of more difficult new words in dialogues on everyday topics. Prerequisite(s): CHIN 1002 or consent of instructor. (Variable)

CHIN 1050. Introduction to Chinese Literature — 3 hrs.
This survey course of Chinese Literature introduces major works of Chinese literature over history. (Fall)

CHIN 1060. Introduction to Chinese Culture: (Topic) — 3 hrs.
Introduction to selected Chinese cultural topics such as language, film, and art. May be repeated for credit under different topics. (Fall and Spring)

Communication and Media Courses (COMM)

Courses

COMM 1000. Oral Communication — 3 hrs.
Development of speaking and listening skills by studying the process and theory of communication and by applying communication principles to various speaking situations. (Fall, Spring, Summer)

COMM 1940. Applied Forensics — 1 hr.
Credit for approved participation in competitive speech and debate activities. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

COMM 1941. Applied Performance Studies — 1-2 hrs.
Credit for approved participation in Performance Studies (e.g., participation in Interpreters Theatre, performance in community, campus, or festival settings; or related activity). May be repeated for maximum of 8 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

COMM 2205. Group Communication — 3 hrs.
Study of how people use communication to cultivate effective groups. Exploring theories and processes related to groups, students will learn how to assess and improve teams while developing their own skills as a group communicator. (Fall and Spring)

COMM 2255. Public Speaking — 3 hrs.
Teaches students to prepare, adapt, present, and critique a variety of speeches in a public setting. (Fall and Spring)

COMM 2256. Performing Texts — 3 hrs.
Introduction to the performance, analysis, and criticism of literary and aesthetic texts. (Fall)

COMM 2257. Argumentation and Debate — 3 hrs.
Training in the basics of academic debate and policy analysis. (Fall)

COMM 2344. Interpersonal Communication — 3 hrs.
Study of communication in relationships; exploration and experience with concepts and processes involved in one-to-one communication. (Fall, Spring, Summer)

COMM 2455. Skills for Making Performance — 3 hrs.
Adapting and staging texts for live and electronic group performances. Work in narrative adaptation, montage scripting, and ethnodrama. Prerequisite(s): COMM 2256. (Variable)

COMM 2456. Communication and Popular Culture — 3 hrs.
Introduction to the critical analysis, study, and performance of popular culture artifacts, phenomenon and texts. Special emphasis given to the socio-political implications and technological advances affecting popular culture consumption in U.S. culture. (Variable)

COMM 2555. Interactive Digital Communication I — 3 hrs.
Examines introductory digital studies topics, including web development (HTML and CSS), visual grammar, the Creative Commons, and writing and designing for the Web. (Fall and Spring)

COMM 3000/5000. Selected Topics in Communication — 3 hrs.
Intensive work in specialized communication concepts, processes and approaches. No single emphasis may be repeated although the course may be repeated for maximum of 6 hours. Prerequisite(s): junior standing. (Variable)

COMM 3055. Organizational Communication — 3 hrs.
Study of communication theories and practices in organizational settings. Students explore the role of communication in workplace processes such as newcomer socialization, conflict management, leadership and technology. (Fall and Spring)

COMM 3155. Business and Professional Oral Communication — 3 hrs.
Exploration of theories and experiences in business and professional dyadic, small group, and public communication situations, with emphasis on developing individual communication skills and professionalism. (Fall and Spring)

COMM 3179. Cooperative Education — 1-6 hrs.
(Fall, Spring, Summer)

COMM 3236. Ethics in Communication — 3 hrs.
Exploration of ethical dimensions and dilemmas in communication. [Same as CAP 3128] (Fall and Spring)

COMM 3455. Storytelling and Identity — 3 hrs.
Methods of collecting, analyzing, theorizing, and performing stories, narratives, and identity. Applications for communication research and performance, including projects in museums, public relations campaigns, organizational settings, and community media. (Spring)

COMM 3456. Practicing Public Advocacy — 3 hrs.
Covering a range of topics, this course explores practical examples of and problems relating to public advocacy. The focus is on how performance and rhetoric offer tools to practice public advocacy. Topics will rotate from year to year. (Variable)

COMM 3555. Interactive Digital Communication II — 3 hrs.
Building on Interactive Digital Communication, this class offers students a more comprehensive understanding of web frameworks, content management systems, code (HTML, CSS, and beginning Javascript) and digital skill sets. Prerequisite(s): COMM 2555. (Fall and Spring)

COMM 3558. Introduction to Digital Visualization — 3 hrs.
Explore data through storytelling and visualization. Experiment with emerging digital tools, techniques, and applications. Apply critical analysis and creative problem solving to digital project work. Prerequisite(s): COMM 2555; junior standing. Prerequisite(s) or corequisite(s): COMM 3555. (Fall and Spring)

COMM 3900/5900. Internship in Communication — 1-6 hrs.
Students complete academic assignments in conjunction with intensive work in a specialized area on-site at an organization. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing; internship coordinator approval. See the internship coordinator for additional departmental requirements. (Fall, Spring, Summer)

COMM 3940. Advanced Applied Forensics — 1 hr.
Credit for approved advanced participation in competitive speech and debate activities. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

COMM 3941. Advanced Applied Performance Studies — 1-2 hrs.
Credit for approved advanced work in Performance Studies (e.g., participation in Interpreters Theatre, performance in community, campus, or festival settings; or related activity). May be repeated for maximum of 8 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

COMM 4021/5021. Quantitative Research Methods — 3 hrs.
Examination of principles and procedures of communication research with emphasis on experimental and survey methods and techniques. Students will complete research projects. Prerequisite(s): COMM COR 2020 or equivalent; junior standing. (Fall)

COMM 4022. Qualitative Research Methods — 3 hrs.
Examination of principles and procedures of communication research with emphasis on interpretive and ethnographic techniques. Students complete research projects. Prerequisite(s): COMM COR 2020 or equivalent; junior standing. (Fall)

COMM 4023/5023. Rhetorical Research Methods — 3 hrs.
Examination of principles and procedures of communication research with emphasis on the critical analysis and interpretation of persuasive messages. Students complete research projects. Prerequisite(s): COMM COR 2020 or ENGLISH 2120 or equivalent; junior standing. (Spring)

COMM 4116/5116. Health Communication — 3 hrs.
Theories of communication in health care settings, current issues in health communication, types of applications in interpersonal, organizational, and public communication contexts; literature and performance methods in health education. Prerequisite(s): junior standing. (Odd Springs)

COMM 4120/5120. Inclusive Leadership in the Workplace — 3 hrs.
The purpose of this course is for students to cultivate inclusive leadership knowledges, skills, and dispositions. As such the course blends reading/discussion with hands-on application and case studies. Students will be expected to describe the key concepts of inclusive leadership and apply how those concepts can be used to address different issues/problems/contexts. Prerequisite(s): junior standing. (Variable)

COMM 4134/5134. Organizational Cultures and Communication — 3 hrs.
Study of how cultural ideologies and forms such as symbols, rituals, language, and narratives are created, maintained, and changed in organizations. Emphasis on interpretive and critical theory and research. Prerequisite(s): junior standing. (Fall)

COMM 4155/5155. Organizational Communication Assessment — 3 hrs.
Investigation of communication behavior and effectiveness in organizations. Students act in groups to design and conduct a consulting intervention in an actual organization. Prerequisite(s): COMM COR 2020 or consent of instructor; COMM 3055; junior standing. (Spring)

COMM 4211/5211. Rhetoric and Civic Culture — 3 hrs.
Exploration of theories explaining how symbolic action creates, maintains, and transforms social reality, plays a role in social/political/cultural orders, differs between groups, and affects social change. Particular attention paid to the role of rhetoric in civic culture. Prerequisite(s): senior standing. (Spring)

COMM 4213/5213. Visual Rhetoric — 3 hrs.
Analysis of visual communication and how visual forms (e.g., bodies, photographs, memorials, image events) construct, maintain, and alter social reality. Prerequisite(s): COMM COR 1010 or COMM COR 2020 or COMM 2555 or COMM DM 1611 or ENGLISH 2120 or ART HIST 1004 or ART 1002. (Variable)

COMM 4216/5216. Political Communication — 3 hrs.
Study of the elements of national and/or local political communication, including the rhetoric of political campaigns, and/or the rhetoric of elected officials. Prerequisite(s): junior standing. (Same as POL AMER 4160/5160) (Even Falls)

COMM 4217/5217. Freedom of Speech — 3 hrs.
Development of laws and social attitudes that have attempted to regulate communication in the United States; relation of free speech to national security, to regulation of the public forum, and to artistic expression; analysis of doctrines and tests used by the Supreme Court in interpreting the limits to free expression. Prerequisite(s): junior standing. (Variable)

COMM 4218. Persuasion — 3 hrs.
Examination of the dynamics involved in the creation, reception, and exchange of effective persuasive messages, episodes, and campaigns with a primary focus on social science theory and research regarding processes of human influence. (Variable)

COMM 4311. Nonverbal Communication — 3 hrs.
Study of practices, theories, and concepts related to patterns of human expression apart from the spoken or written word. Prerequisite(s): junior standing. (Same as HUM 3102/5102) (Variable)

COMM 4320. Leadership Communication and Citizenship — 3 hrs.
Exploration of the types of communication people use to give direction to the groups that matter most to them such as a team, community, organization, or social or political movement. Prerequisite(s): senior standing. (Fall)

COMM 4322/5322. Advanced Interpersonal Communication — 3 hrs.
Advanced study of theories and research in interpersonal communication. Prerequisite(s): COMM 2344; junior standing. (Fall)

COMM 4333/5333. Communication and Conflict Management — 3 hrs.
Exploration of the processes involved in managing conflict in various communication contexts. Prerequisite(s): junior standing. (Spring)

COMM 4344/5344. Intercultural Communication — 3 hrs.
Critical analysis of the multiple ways culture, perception, and communication influence each other. Offers a blend of theory, research, and hands-on application. Prerequisite(s): junior standing. (Spring)

COMM 4346/5346. Gender Issues in Communication — 3 hrs.
Critical examination of how communication creates, maintains and challenges diverse gender identities and of how gendered communication in and about social institutions can be sources of liberation and subordination. Prerequisite(s): junior standing. (Fall)

COMM 4347/5347. Family Communication — 3 hrs.
Study of communication phenomena in the family setting. Examination of how communication influences the development, maintenance, and enhancement of family relationships. Prerequisite(s): COMM 2344; junior standing. (Fall)

COMM 4412/5412. Performing History — 3 hrs.
Theoretical and practical introduction to the critical analysis, study, and performance of history. Construction and representation of history using performance techniques and perspectives in innovative digital storytelling. Prerequisite(s): COMM 2555; junior standing. (Spring)

COMM 4444/5444. Communication, Community, and Change — 3 hrs.
Study of communication practices in the construction, enhancement, and maintenance of communities. Theoretical and experiential applications through civic engagement, case study analysis, and applied critique of specific communities. Includes community projects, presentations, or simulations. Prerequisite(s): senior standing. (Fall and Spring)

COMM 4446/5446. Voices from the Margin: Performance, Rhetoric, and Social Change — 3 hrs.
Study of creation and theory of rhetorical and performance texts that enact protest, generate dialogue, promote civic action, and induce social, cultural, and institutional change. The course focuses on historically underrepresented and marginalized groups in the United States, activism for change outside of institutional structures, and the way race/ethnicity, sex/gender, sexuality, and/or class intersect. Prerequisite(s): junior standing. (Variable)

COMM 4448/5448. Cultural Performance — 3 hrs.
Advanced study of verbal art, texts, and aesthetic traditions in community, cultural, and political contexts. Emphasis on the roles narrative, ritual, and ceremony play in creating and contributing to cultural identity and social advocacy. Prerequisite(s): junior standing. (Fall)

COMM 4490/5490. Interpreters Theatre Production — 1-2 hrs.
Advanced study and practice in preparing scripts, directing group performance for public presentation, and designing and implementing technical elements of productions. Usually involves directing, scripting, designing, or researching for an Interpreters Theatre production. Prerequisite(s): COMM 2455; approved Performance Studies project application; junior standing; consent of instructor. (Fall and Spring)

COMM 4544/5544. Digital Culture and Communication — 3 hrs.
Investigation of the relationships between technology and communication and their impact on social behavior, thought, and culture. Prerequisite(s): junior standing. (Fall and Spring)

COMM 4556/5556. Interactive Digital Visualization — 3 hrs.
Study the visualization of ideas using interactive, digital tools. Creatively apply 2D, 3D digital tools and theories to various forms of communication: academic, journalistic, narrative, and performance. Prerequisite(s): COMM 2555; COMM 3555; COMM 4544/5544; junior standing. (Fall and Spring)

COMM 4558/5558. Advanced Digital Visualization: (Topic) — 3 hrs.
Intensive work in specialized digital visualization concepts and practices. Work with advanced digital tools, techniques, and applications. Develop independent and group critical analysis and creative problem solving to digital project work. No single topic may be repeated although the course may be repeated for maximum of 6 hours, with only 3 hours applied to the Interactive Digital Studies major or minor. Prerequisite(s): COMM 2555; COMM 3555; junior standing. Prerequisite(s) or corequisite(s): COMM 3558. (Spring)

COMM 4559. Communication Education and Training — 3 hrs.
Teaching strategies for various levels of communication instruction; application of educational principles to the communication classroom and organizational training. This is a required course for Communication Theatre Education majors and it is strongly recommended to take this class preceding student teaching. Prerequisite(s): for Communication Theatre Education majors: 12 hours of COMM (48C) course work; TEACHING 2017; EDPSYCH 2030; junior standing. For other majors: junior standing. (Fall)

COMM 4909/5909. Readings in Performance Studies — 1-3 hrs.
Extensive individual study of special topics in performance studies theory, history, or research. Prerequisite(s): COMM 2256; COMM 4448/5448; junior standing. (Variable)

Communication and Media Core Courses (COMM COR)

Courses

COMM COR 1010. Mass Communication and Society — 3 hrs.
Survey of basic mass communication processes, including history and structure of media and media-related industries and sales, audiences, effects, careers, and future directions. (Fall and Spring)

COMM COR 2020. Communication Research Methods — 3 hrs.
Introduction to the process of research and inquiry across the discipline of communication studies. Includes the three units qualitative, quantitative, and rhetorical (critical). Introduction to the normative expectations of the research process. (Fall and Spring)

COMM COR 4124. Communication and Media Theories — 3 hrs.
Investigation of theories and concepts used to explain human communication. (Fall and Spring)

Communication and Media: Digital Media Courses (COMM DM)

Courses

COMM DM 1611. Media and Power — 3 hrs.
Analysis and critique of the production and consumption of media messages to develop students as ethical and active digital citizens. (Fall and Spring)

COMM DM 1620. Fundamentals of Journalism — 3 hrs.
Emphasis on news gathering techniques for journalists, including examination of search strategies, sources, and news values, the technologies of news gathering and their application, and fact-checking and writing news stories. (Fall and Spring)

COMM DM 1630. Start a Podcast — 3 hrs.
This course will teach students how to start a podcast. Bringing together experts in different areas across the Department of Communication and Media, this course will provide students with training in a wide variety of skills necessary to create a high-quality podcast, including script-writing, interviewing, storytelling, vocal delivery, audio-editing, and publicizing. Students will also study podcasting genres so as to understand the expectations of audiences in particular sub-genres of podcasts (e.g. true-crime, comedy, drama, sports, politics, personal-development, etc.). While doing this, they will examine a handful of particularly prominent or highly-recognized podcasts to identify the principles and characteristics underlying particularly successful podcasts. (Spring)

COMM DM 1650. Digital Media Seminar — 1 hr.
An exploration of the Digital Media major and career opportunities in journalism, media leadership, and media production. Through professional speakers, field trips, and presentations, the course provides information about curriculum, learning resources, academic and professional expectations, and opportunities for professional networking. First half-semester course. Corequisite(s): COMM DM 1651 for majors. COMM DM 1651 is waived for non-Digital Media majors and non-Digital Media minors. (Fall and Spring)

COMM DM 1651. Digital Media Production I — 3 hrs.
Introduction to creative storytelling across digital formats and platforms, including basic concepts of video, audio, and multimedia technologies. Emphasis on understanding the aesthetics and application of production techniques for multiple audiences and users. Corequisite(s): COMM DM 1650. This co-requisite is waived for Communication-Theatre Teaching majors and for non-Digital Media majors and minors. (Fall and Spring)

COMM DM 1652. Writing for Digital Media — 3 hrs.
Introduction to concepts and techniques of creative script writing used for digital media content in multiple formats and platforms. Topics include writing for fiction, news, television, and advertising. (Fall and Spring)

COMM DM 2651. Digital Media Production II — 3 hrs.
Building on the concepts of COMM DM 1651: Digital Media Production I, further exploration of creative storytelling using digital video, audio, live studio, and web concepts and technologies for multiple formats and platforms. Special emphasis on aesthetic and technical skills in post-production, including motion graphics, image manipulation, video, and sound editing. Prerequisite(s): COMM DM 1651 and COMM DM 1652. (Fall and Spring)

COMM DM 2652. Emerging Digital Media: (Topic) — 3 hrs.
Explores the aesthetic concepts and creation of interactive media content for multiple platforms. Topics include web technologies, interactive storytelling, and emerging media content. Topics indicated in Schedule of Classes. May be repeated for a maximum of 6 hours if different topic. Prerequisite(s): COMM DM 1651 or consent of instructor. (Variable)

COMM DM 2653. News Writing and Reporting — 3 hrs.
Participation on the staff of the university newspaper. Write articles and take photographs for the university's print and digital editions. Gather and edit audio and video, create multimedia packages for the newspaper's website. Prerequisite(s): COMM COR 1010; COMM DM 1620 or approval of instructor. The COMM DM 1620 prerequisite is waived for Interactive Digital Studies majors and minors. (Fall and Spring)

COMM DM 2654. Scriptwriting for Digital Media — 3 hrs.
Exploration of a range of scriptwriting forms for digital media programs, including short and long-form narrative and documentary. Distinctive genres within the broad fiction and non-fiction categories will be emphasized. Prerequisite(s): COMM DM 1652. (Variable)

COMM DM 2950. Applied Digital Media — 1 hr.
Practical project experience for qualified students who work for KULT Radio, Hilltop Media, UNI Cable, or on other authorized radio/TV/film/multimedia projects. May be repeated for maximum of 4 hours of applied digital media credit. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

COMM DM 3179. Cooperative Education — 1-6 hrs.
(Fall, Spring, Summer)

COMM DM 3651. Advanced Digital Media Production: Television News — 3 hrs.
Production of multi-camera content in a studio context, including news, sports, or talk shows. The course explores concepts and aesthetics, production workflow, application of journalistic methods, and delivery of content over multiple platforms. Students produce programs for broadcast. Prerequisite(s): COMM DM 1651; COMM DM 2651. (Variable)

COMM DM 3652. Advanced Digital Media Production: Documentary — 3 hrs.
Creates innovative documentary stories from idea development to post-production. Students explore theories of documentary realism, current and emerging documentary forms, and the ethics of documentary practice. Students produce a short documentary as a final project. Prerequisite(s): COMM DM 1651; COMM DM 2651. (Variable)

COMM DM 3653. Advanced Digital Media Production: Fiction — 3 hrs.
Development of fictional stories, including script development, production planning, directing actors, and the aesthetics of camera, lighting, sound, and editing as creative tools. Current and emerging forms of fiction programming for multiple platforms are explored. Students produce a short fiction video as a final project. Prerequisite(s): COMM DM 1651; COMM DM 2651. (Variable)

COMM DM 3654. Advanced Digital Media Production: Video Editing — 3 hrs.
Advanced training in digital post-production, including editing techniques, color correction, titles, and sound design. Through screenings and projects, students explore the history and aesthetics of editing, styles for different formats, and delivering content to multiple platforms. Prerequisite(s): COMM DM 1651; COMM DM 2651. (Variable)

COMM DM 3655. Advanced Digital Media Production: Audio — 3 hrs.
Advanced training in the theory and practice of audio recording and editing for multiple formats, including field and studio content. Prerequisite(s): COMM DM 1651; COMM DM 2651. (Variable)

COMM DM 3656. Digital Media Industries — 3 hrs.
Examines media development, production, and distribution in response to technological changes, audience expectations, new competition and other industrial forces. Prerequisite(s): COMM COR 1010 or consent of instructor. (Fall)

COMM DM 3657. Promotion of Digital Media — 3 hrs.
Explores the art of promoting film, television, games and other digital media products and services. Attention to media planning and multi-platform campaigns to reach audiences. Prerequisite(s): COMM COR 1010. (Variable)

COMM DM 3658. Digital Journalism: (Topic) — 3 hrs.
Writing and developing online journalism, including web pages, social media, interactive timelines, motion graphics, video, virtual reality storytelling, and podcasts. Prerequisite(s): COMM DM 1651; COMM DM 1652 or COMM DM 2653. May be repeated for up to 6 hours if different topic. (Variable)

COMM DM 3659. Editing and Design — 3 hrs.
Immersion in layout, design and photography for news or feature publication. Students use digital tools, including InDesign, Photoshop and Illustrator to create finished pieces for publication, including editorial and advertorial content. Prerequisite(s): COMM DM 2653 or consent of instructor. For Interactive Digital Studies majors and minors: no prerequisites. (Fall and Spring)

COMM DM 3660. Sports Journalism — 3 hrs.
Writing and producing sports journalism content, and play-by-play reporting, for television, radio, mobile, and other digital media platforms. Prerequisite(s): COMM DM 1651; COMM DM 2653. (Fall)

COMM DM 3900. Internship in Digital Media — 1-6 hrs.
Students complete internships with off-campus professional media organizations, focusing on intensive work in a specialized area of digital media in conjunction with academic assignments. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing; internship coordinator approval. See the internship coordinator for additional departmental requirements. (Fall, Spring, Summer)

COMM DM 3950. Advanced Applied Digital Media — 1 hr.
Practical project experience for qualified students who work for KULT Radio, Hilltop Media, UNI Cable, or on other authorized radio/TV/film/multimedia projects. May be repeated for maximum of 4 hours of applied digital media credit. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

COMM DM 3959. Advanced Applied Digital Journalism — 1 hr.
Practical project experience for qualified students who work for the Northern Iowan or other qualified journalism organizations. May be repeated for maximum of 4 hours of applied digital journalism credit. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

COMM DM 4611/5611. History of U.S. Media — 3 hrs.
Development of the structure, economics, and content of U.S. media; examination of significant persons and events contributing to the technological, economic, and social development of mass media. Prerequisite(s): COMM COR 1010; junior standing. (Variable)

COMM DM 4621/5621. Digital Media Analysis — 3 hrs.
Critically examines multiple theoretical and methodological approaches to the analysis and criticism of digital media content, including fiction, documentary, video games, transmedia, web, and other formats. Prerequisite(s): COMM COR 2020; junior standing. (Fall)

COMM DM 4630/5630. Digital Media Law and Ethics — 3 hrs.
The course explores contemporary issues in media law and ethics that impact digital media industries and public relations. Critical analysis of issues such as freedom of speech and the First Amendment; the news media and courts; censorship and libel; media ownership and monopolies; copyright laws and fair use; and regulation of the internet. Prerequisite(s): junior standing. (Fall and Spring)

COMM DM 4632. Senior Seminar in Digital Media — 3 hrs.
Preparation for a professional career in digital media, including development of interview skills, resumes, portfolios, and cover letters. Exploration of ethical foundations for production, distribution, and consumption of digital media. Prerequisite(s): COMM DM 1650; senior standing. (Fall and Spring)

COMM DM 4641/5641. Critical Studies in Digital Media: (Topic) — 3 hrs.
Advanced examination of history, theory, and aesthetic forms of digital media content and creators. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM COR 2020; junior standing. (Variable)

COMM DM 4642/5642. Digital Technologies (Topic) — 3 hrs.
Examination of theories and practices of past, current, and developing technologies used for multiple platforms of digital media content. Topics may include script development, software applications, web technologies, virtual reality, games, digital cultures, and mobile media. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM COR 1010; junior standing or consent of instructor. (Variable)

COMM DM 4644/5644. Global Media — 3 hrs.
Focus on how technology, history, politics, economics, and culture have shaped the development of media systems in the world. Prerequisite(s): COMM COR 1010; junior standing. (Variable)

COMM DM 4650. Advanced News Writing and Reporting — 3 hrs.
Participation on the staff of the university newspaper. Writing advanced articles and taking photographs for the university's print and digital editions. Gathering and editing audio and video, creating multimedia packages for the newspaper's web site. Students will also do editing for the newspaper. Prerequisite(s): COMM DM 2653; junior standing. (Fall and Spring)

COMM DM 4651. Digital Media Practicum: (Topic) — 3 hrs.
Advanced media production for multiple platforms of digital media. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM DM 3651, or COMM DM 3652, or COMM DM 3653, or COMM DM 3654, or COMM DM 3655. (Variable)

COMM DM 4652. Digital Media Projects — 1-6 hrs.
An advanced project for digital video, audio, or interactive media beyond the scope of existing courses. Students are selected through a competitive process and work under the supervision of faculty. May be repeated for maximum of 6 hours. Prerequisite(s): COMM DM 3651 or COMM DM 3652 or COMM DM 3653 or COMM DM 3654 or COMM DM 3655, or COMM DM 2652; junior standing; consent of instructor. (Variable)

COMM DM 4653/5653. Digital Media Distribution — 3 hrs.
Examines digital distribution strategies for film, television, music, gaming, and other media content across delivery systems. Topics include transmedia development, monetizing intellectual property, and innovative platforms. Prerequisite(s): COMM COR 1010; junior standing. (Variable)

COMM DM 4654/5654. Digital Media Management — 3 hrs.
Explores how media managers oversee the financing, production, marketing and distribution of their media products and services. Examines innovative principles and practices of digital media management, with attention to leadership case studies from companies across media and technology sectors. Prerequisite(s): COMM COR 1010; junior standing. (Variable)

COMM DM 4655. Photojournalism — 3 hrs.
Introduces students to the concepts, principles, and practice of photojournalism through photo assignments, image editing, presentation in a variety of formats, and critical reviews of work. Prerequisite(s): COMM DM 2653 or consent of instructor; junior standing. For Interactive Digital Studies majors and minors: no prerequisites. (Variable)

COMM DM 4656/5656. Feature Writing — 3 hrs.
In-depth feature writing for beats including arts, entertainment, leisure, and travel for multiple news platforms. Prerequisite(s): COMM DM 2653 or ENGLISH 2015 or consent of instructor; junior standing. (Spring)

Communication and Media Graduate Courses (COMMGRAD)

Courses

COMMGRAD 6001. Introduction to Graduate Study and Research — 3 hrs.
Exploration of communication research methodologies and resources. (Fall and Spring)

COMMGRAD 6011. Communication and Media Theory — 3 hrs.
In-depth survey of historical and contemporary theories that inform and constitute the communication and media discipline. This course constitutes an interdisciplinary approach, with emphasis on postpositivist, interpretivist, critical, and postmodern theories of communication and media. (Spring)

COMMGRAD 6014. Seminar in Rhetoric — 3 hrs.
Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. Prerequisite(s): COMMGRAD 6001 or approval of instructor. (Variable)

COMMGRAD 6016. Mass Communication Theory — 3 hrs.
For beginning graduate students to explore mass communication inquiry. Provides working knowledge of some of the major literature on mass communication theory and research. (Fall)

COMMGRAD 6022. Communication Research Methodology — 3 hrs.
Introduction to various research methods used in the study of communication. May be repeated for maximum of 9 hours if different section. Prerequisite(s): graduate standing; COMMGRAD 6001 or approval of instructor. (Fall and Spring)

COMMGRAD 6027. Seminar in Strategic Communication — 3 hrs.
Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

COMMGRAD 6042. Seminar in Communication — 3 hrs.
Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

COMMGRAD 6044. Seminar in Performance Studies — 3 hrs.
Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

COMMGRAD 6045. Seminar in Communication Education — 3 hrs.
Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Fall)

COMMGRAD 6046. Seminar in Visual and Digital Media — 3 hrs.
Various topics will be offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

COMMGRAD 6299. Research.
Prerequisite(s): consent of department. (Fall, Spring, Summer)

COMMGRAD 6955. Projects in Communication Studies — 1-3 hrs.
May be repeated for maximum of 3 hours. Consent of departmental committee must be obtained before registration. (Variable)

Communication and Media: Public Relations Courses (COMM PR)

Courses

COMM PR 1811. Principles of Public Relations — 3 hrs.
Introduction to theories, processes, and techniques involved in researching, planning, and implementing programs designed to influence public opinion and human behavior. (Fall and Spring)

COMM PR 1840. Applied Public Relations — 1 hr.
Credit for approved work in public relations (e.g., problems of campaign on campus or in the community). May be repeated for maximum of 2 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

COMM PR 3179. Cooperative Education — 1-6 hrs.
(Variable)

COMM PR 3844/5844. Public Relations: Integrated Communications — 3 hrs.
Study of integrated approaches in PR practices including use of advertisement, IMC, promotion, and event techniques for relationship

building and understanding of public behaviors. Prerequisite(s): junior standing. (Variable)

COMM PR 3855. Public Relations Writing — 3 hrs.
Conceptualization and multi-media adaptation of copy for public relations campaigns. Prerequisite(s): COMM DM 1620. (Fall and Spring)

COMM PR 3900/5900. Internship in Public Relations — 1-6 hrs.
Students complete academic assignments in conjunction with intensive work in a specialized area on-site at an organization. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing; internship coordinator approval. See the internship coordinator for additional departmental requirements. (Fall, Spring, Summer)

COMM PR 3940. Advanced Applied Public Relations — 1 hr.
Credit for approved advanced work in public relations (e.g., problems of campaign on campus or in the community). May be repeated for maximum of 2 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

COMM PR 4811/5811. Public Relations: Cases and Studies — 3 hrs.
Study of PR theories and academic research and application of theoretical understanding through analyses of recent PR cases. Prerequisite(s): senior standing or consent of instructor. (Variable)

COMM PR 4822/5822. Global Public Relations — 3 hrs.
Examination of PR research and practices in diverse countries and transnational organizations. Development of PR professionalism and ethics in intercultural/international contexts. Prerequisite(s): junior standing. (Variable)

COMM PR 4855/5855. Public Relations Campaign Methods — 3 hrs.
Analysis and production of public relations tools; techniques to gain reaction and support from specialized groups. Planning and preparation of public relations communications materials and use of controlled (public) media to reach target audiences. Prerequisite(s): COMM PR 1811; junior standing. (Variable)

COMM PR 4856/5856. Public Relations Special Events Planning — 3 hrs.
Special events planning provides the opportunity to unite global human society through large and small events. Sustainable and environmentally responsible strategies will be discussed and implemented in various activities. Sustainable event leadership will be highlighted as a best practice. Prerequisite(s): junior standing. (Variable)

COMM PR 4857/5857. Crisis Communication — 3 hrs.
Crisis communication is a critical component to the successful operation of many organizations. Many organizations and individuals are forced to confront some type of crisis at some point in their lifetime. This course is interested in defining and discussing crisis communication strategies and theories that can help protect organizations faced with a crisis. This course studies crisis communication from a wide variety of perspectives including: public relations, leadership, media theory, and interpersonal communication. Prerequisite(s): junior standing. (Variable)

COMM PR 4858/5858. Sports Public Relations — 3 hrs.
Sports public relations is a management function that builds beneficial relationships with athletes, managers, media, stakeholders, fans, and constituencies. This course focuses on team, league and organizational management and the building of brand, corporate, media, and fan relationships through creative communications. Prerequisite(s): junior standing. (Variable)

COMM PR 4859/5859. Social Media — 3 hrs.
This course is dedicated to exploring the new emerging technologies and mediums influencing many different venues such as public relations and message delivery. This course will acquaint you with practical knowledge and analytical skills necessary to create, evaluate, and execute social media and mobile campaigns. This course will also provide lectures, iconic and current case studies using social media and mobile, group and individual assignments, and engaged activities that will help you in developing a strong social media skill set to take to future job and/or internship interviews in your respective field of study. Prerequisite(s): junior standing. (Spring)

Communication Sciences and Disorders Courses (CSD)

Courses

CSD 1000. Understanding Communication Disorders — 3 hrs.
Provides a general understanding of normal and disordered speech, language, and hearing in adults and children. Covers normal development of communication behavior, the nature of communication disorders, and how speech-language pathology and audiology interact with allied fields (e.g., education, medicine, psychology, and special education). Incorporates the influence of cultural and linguistic diversity. (Fall)

CSD 3100. Language Acquisition in Children: Birth to 5 Years — 3 hrs.
Study of the acquisition of phonological, semantic, syntactic, and pragmatic systems as these interface with brain maturation and motor, cognitive, and social development. Biological and social/interactional factors examined from variety of perspectives (e.g. cultural and linguistic diversity), stressing "applied" orientation. (Spring)

CSD 3120. Phonetics in Communicative Disorders — 3 hrs.
Proficiency in use of International Phonetic Alphabet with emphasis on physiological and linguistic aspects of speech sound production. (Spring)

CSD 3130/5130. Neuroscience and the Study of Communication Disorders — 3 hrs.
Study of neuroanatomical and neurophysiological bases of speech production. Prerequisite(s): CSD 3135; junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 3135. Anatomy and Physiology of Speaking Mechanism — 3 hrs.
Introduction to functional anatomy and physiology in the speech mechanism. (Spring)

CSD 3140/5140. Introduction to Neurogenic Disorders — 3 hrs.
Introduction to the study of how various neurogenic disorders affect communication. Prerequisite(s): CSD 3135; CSD 3130/5130; junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3150. Developmental Neurology in Communication Sciences and Disorders — 3 hrs.
Provides undergraduate students with experience on neurological based communication disorders in children. (Spring)

CSD 3200/5200. Language of School-aged Children — 3 hrs.
Language development of older children. Assessment and intervention principles and techniques for children of school age with language disorders. Includes issues in cultural and linguistic diversity, literacy and collaboration with classroom teachers. Prerequisite(s): CSD 3100; junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 3220. Disorders of Speech Sounds — 3 hrs.
Study of disordered phonological/articulatory systems; linguistic and cultural variation; exploration of assessment and intervention principles and practices. Prerequisite(s): CSD 3120 or consent of instructor; minimum 3.00 GPA or consent of department head. (Fall)

CSD 3250/5250. Speech Science — 3 hrs.
Study of physiological, aerodynamic, and acoustic techniques used in research, diagnosis, and treatment in communication sciences and disorders. Prerequisite(s): CSD 3260/5260; junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3260/5260. Hearing Science — 3 hrs.
Physical concepts and acoustics relating to propagation and measurement of sound. Anatomy and physiology of the ear including neurophysiology of the peripheral and central auditory system, and psychoacoustics. Prerequisite(s): junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 3270/5270. Introduction to Audiology — 3 hrs.
Nature and measurement of hearing; types of hearing loss; audiometric measurement including procedures, and specialized tests. Prerequisite(s): CSD 3260/5260; junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3650. Clinical Processes — 2 hrs.
Introduction to role of speech-language pathologists and audiologists as clinicians; emphasis on observation and participation as an assistant in the UNI Roy Eblen Speech and Hearing Clinic. Prerequisite(s): Communication Disorders majors only; CSD 1000; CSD 3100; minimum 3.00 GPA; junior standing or consent of instructor. (Fall and Spring)

CSD 3700/5700. Communication Disorders and Differences Across the Lifespan — 3 hrs.
Study of communication patterns, assessment accommodations, intervention, transition, and linguistic and cultural diversity for selected clinical categories across the lifespan. Prerequisite(s): junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3900/5900. Aural Rehabilitation — 3 hrs.
Principles and procedures for assessment and rehabilitation of communication deficits of hearing-impaired persons - emphasizing amplification systems, auditory training, speech-reading, and total communication for the hard-of-hearing and deaf. Introduction to counseling for individuals and families experiencing hearing loss and awareness of diverse cultural views of hearing loss (Deaf culture). Prerequisite(s): CSD 3260/5260; CSD 3270/5270; junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 4000/5000. Honors in Communicative Disorders — 2-3 hrs.
Development and implementation of an approved research project in an area of communicative disorders. Prerequisite(s): junior standing; consent of instructor. Department consent required to take at 5000-level. (Variable)

CSD 4100/5100. Augmentative and Alternative Communication — 3 hrs.
Study of theoretical and practical aspects of planning augmentative and alternative communication for individuals who have complex communication needs. The influence and importance of considerations for individual linguistic and cultural differences will also be discussed. Prerequisite(s): junior standing. Department consent required to take at 5000-level. (Fall and Spring)

CSD 4210/5210. Current Problems in Speech-Language Pathology and Audiology — 1-2 hrs.
Major issues confronting clinicians, researchers, and the profession. Topics to be determined by instructors. May be repeated as section topics change. Prerequisite(s): senior standing or consent of instructor. Department consent required to take at 5000-level. (Variable)

CSD 4500. Clinical Practice — 1 hr.
Clinical experience evaluation and remediation of language and articulation disorders as well as experience in screening of hearing. 1 hr. is required, may be repeated for total of 2 hours. Prerequisite(s): Communication Disorders majors only; CSD 3100; CSD 3120; CSD 3135; CSD 3200/5200; CSD 3220; CSD 3650; minimum 3.00 GPA; senior standing or consent of instructor. (Fall and Spring)

CSD 6000. Research Methods in Speech-Language Pathology and Audiology — 2 hrs.
Introduction to methodology, various designs, and report preparation for research. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall and Spring)

CSD 6230. Structural Disorders - Craniofacial and Head & Neck Cancer — 3 hrs.
Understanding of the etiology, assessment, and treatment of head and neck cancer and craniofacial disorders; focus on alaryngeal speech options, oral cancer, swallowing following a total laryngectomy, and respiration, as well as observation and analysis of characteristics of cleft palate speech and intervention techniques. Prerequisite(s): CSD 3135 or consent of instructor; admitted to graduate program in speech-language pathology or department consent. (Variable)

CSD 6285. Individual Readings — 1-2 hrs.
Project must be approved before beginning of semester in which work is to be done. May be repeated. Prerequisite(s): department consent. (Variable)

CSD 6289. Seminar in Speech-Language Pathology — 2 hrs.
Seminars in special topics to be announced in the Schedule of Classes. No limit on number of times repeated as long as topic is different. Prerequisite(s): consent of department; admitted to graduate program in Speech-Language Pathology or department consent. (Fall, Spring, Summer)

CSD 6299. Research — 1-6 hrs.
May be repeated for a maximum of 2 hours (non-thesis) or 6 hours (thesis). Prerequisite(s): consent of instructor and department head. (Variable)

CSD 6300. Treatment of Child Language Disorders — 3 hrs.
Principles and approaches for treating children with language disorders. Consider how cultural and linguistic differences influence treatment planning and delivery. Requires active participation for demonstrations and presentations. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

CSD 6400. Disorders of Voice — 3 hrs.
In-depth study of the etiology, diagnosis, and management of voice disorders. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall)

CSD 6450. Motor Speech Disorders — 2 hrs.
Neurophysiological bases, differential diagnosis, and clinical management of motor speech disorders in adults including diverse populations. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall)

CSD 6500. Advanced Clinical Practice: Full Semester — 2 hrs.
Clinical experience in diagnosis and remediation of speech, language, and/or hearing problems at an advanced level of preparation and responsibility. Must be taken for minimum of three academic terms in the graduate program. Prerequisite(s): CSD 4500 or consent of instructor; individuals must be accepted graduate students in the Speech-Language Pathology major. (Fall and Spring)

CSD 6510. Advanced Clinical Practice: 8 Week — 1 hr.
Clinical experience in diagnosis and remediation of speech, language, and/or hearing problems at an advanced level of preparation and responsibility. Typically taken for one eight week summer session during the graduate program. Prerequisite(s): CSD 4500 or consent of instructor; individuals must be accepted graduate students in the Speech-Language Pathology major. (Summer)

CSD 6560. Diagnostics in Communication Disorders — 2 hrs.
Theoretical and practical aspects of the evaluation process. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. Corequisite(s): CSD 6500 or consent of instructor. (Variable)

CSD 6580. Internship in Clinical Settings — 4-16 hrs.
Advanced clinical experience in settings such as hospitals, rehabilitation centers, schools. Minimum 8-week, full-time internship when taken in addition to TEACHING 6250; minimum 16-week, full-time without TEACHING 6250. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall, Spring, Summer)

CSD 6600. Dysphagia — 3 hrs.
Introductory course on the diagnosis and remediation of dysphagia in adults, with select considerations for the management of pediatric feeding and swallowing disorders. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall and Spring)

CSD 6650. Aphasia and Related Disorders — 3 hrs.
Diagnosis and remediation of aphasia with adults, including those from diverse populations. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

CSD 6660. Advanced Diagnostics in Communication Disorders — 2 hrs.
Advanced techniques in communication disorders assessment (interviewing; report-writing; clinical application.); must be taken for at least one fall or spring semester. Prerequisite(s): CSD 6560; admitted to graduate program in Speech-Language Pathology or department consent. Corequisite(s): CSD 6500. (Fall and Spring)

CSD 6700. Clinical Phonology — 3 hrs.
Review of current literature on phonological disorders. Includes issues and procedures in the assessment and management of such disorders. Prerequisite(s): CSD 3220 or consent of instructor; admitted to graduate program in Speech-Language Pathology or department consent. (Fall and Spring)

CSD 6800. Fluency Disorders — 2 hrs.
Study of etiology, diagnosis, and management of fluency disorders, including service provision for multi-lingual populations. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall)

Computer Science Courses (CS)

Courses

CS 1000. Computing Skills and Concepts — 3 hrs.
Introduction to operation, applications, implications of computers, microcomputers, and network communications. Develops skill in current applications and sensitizes students to societal issues related to computing. (Fall and Spring)

CS 1025. Modern Tools for Exploring Data — 3 hrs.
Explores use of computational tools to explore data sets, find patterns, and solve complex problems. Topics include representing problems, modeling data, simulating processes, and validating models, with applications in the sciences, social sciences, humanities, and business. (Fall and Spring)

CS 1100. Web Development: Client-Side Coding — 3 hrs.
Client-side Web development adhering to recent/current Web standards. Includes by-hand Web page development involving basic HTML, CSS, data acquisition using forms, and JavaScript for data validation and simple Web-based tools. (Fall)

CS 1120. Media Computation — 3 hrs.
Introduction to computation, algorithmic thinking, data transformation and processing, and programming in the context of media such as images, sound, and video. (Spring)

CS 1130. Visual BASIC Programming — 3 hrs.
Programming using the language Visual BASIC. Broad coverage of language syntax, programming practice, and programming problems appropriate to the novice or end-use programmer using a personal computer. (Fall and Spring)

CS 1160. C/C++ Programming — 3 hrs.
Programming using the C and C++ languages including the object-oriented paradigm. Broad coverage of language syntax and programming practice. Appropriate for developers of general computing applications and systems. Course presumes no prior programming experience. (Fall)

CS 1170. Introductory Programming for Data Science — 3 hrs.
Explores use of software development and tools to explore data sets, find patterns, and solve complex problems in the area of data science. Topics include introductory programming methodologies, data visualization, and an introduction to data mining. (Fall)

CS 1410. Computer Organization — 3 hrs.
Study of computers in terms of their major functional units. Machine representations of data, digital logic, memory, CPUs, buses, and input/output. Instruction set architectures and their implementations, addressing methods, and sequencing. Assembly language programming. Prerequisite(s) or corequisite(s): CS 1510. (Fall and Spring)

CS 1510. Introduction to Computing — 4 hrs.
Introduction to software development through algorithmic problem solving and procedural abstraction. Programming in the small. Fundamental control structures, data modeling, and file processing. Significant emphasis on program design and style. (Fall and Spring)

CS 1520. Data Structures — 4 hrs.
Introduction to use and implementation of data structures such as sets, hash tables, stacks, trees, queues, heaps, and graphs. Additional topics include searching algorithms, sorting algorithms, and algorithmic time and space complexity analysis. Design and implementation of programs using functional decomposition. Prerequisite(s): CS 1510 or department approval. Prerequisite(s) or corequisite(s): CS 1800 or department approval. (Fall and Spring)

CS 1800. Discrete Structures — 3 hrs.
Introduction to logical forms, arguments, predicates, and quantified statements; methods of proof; elementary number theory; counting; sequences; sets; functions; relations; graphs; and Boolean algebra in the context of computer science. Prerequisite(s): CS 1130, CS 1160, or CS 1510. (Fall and Spring)

CS 2100. Web Development: Server-side Coding — 3 hrs.
Development of interactive web sites: server-side scripting; database definition and use; site security; and additional topics as time allows. Prerequisite(s): CS 1100 or consent of instructor. (Fall and Spring)

CS 2150. Computing for Data Science — 3 hrs.
Introduction to basic data and file structures for data science, such as sets, lists, matrices, and maps, and the algorithms that use them. Boolean algebra and its role in reasoning about data. Basics of the software development life cycle with emphasis on requirements and testing. Not available for credit to students with credit in CS 1800 or CS 1520. Prerequisite(s): CS 1510; consent of department. (Spring)

CS 2420. Computer Architecture and Parallel Programming — 3 hrs.
Computer architecture of uniprocessor and multiprocessor systems with an emphasis on parallel programming to achieve high performance. Topics include processor design (pipelining and superscalar), memory hierarchy, interconnection networks, performance metrics, parallel program design, and parallel programming tools for multi-core systems, clusters, and graphics processing units. Prerequisite(s): CS 1410. (Fall)

CS 2530. Intermediate Computing — 3 hrs.
Intermediate software development in an object-oriented environment. Further experience with object-oriented analysis and design, including modeling languages. Focus on software reuse through frameworks and patterns and on software development methodology and tools. Prerequisite(s): CS 1510; CS 1520; CS 1800; or department approval. (Fall and Spring)

CS 2720. Software Engineering — 3 hrs.
Study of software life cycle models and their phases--planning, requirements, specifications, design, implementation, testing, and maintenance. Emphasis on tools, documentation, and applications. Prerequisite(s): CS 1520; CS 1800. (Spring)

CS 2880. Topics in Computing — 3 hrs.
Topics from recent developments in computing appropriate to students with limited computer science background, often relating to relatively sophisticated or technical use of computing or recent developments in programming. May be repeated on different topic. (Variable)

CS 3110. Web Application Development — 3 hrs.
Development of web applications such as content management systems. Involves HTML and CSS coding, client- and server-side scripting, the creation and manipulation of databases to generate web pages, and secure authentication of users. Prerequisite(s): CS 1520; CS 1100 or COMM 2555. (Variable)

CS 3120/5120. User Interface Design — 3 hrs.
Examination of the theory, design, programming, and evaluation of interactive application interfaces. Topics include human capabilities and limitations, the interface design and engineering process, prototyping and interface construction, interface evaluation, and possibly topics such as data visualization and the World Wide Web. Prerequisite(s): for Computer Science majors: CS 1520; CS 1800; junior standing. Prerequisite(s) for non-Computer Science majors: junior standing; department approval. (Fall)

CS 3140/5140. Database Systems — 3 hrs.
Storage of, and access to, physical databases; data models, query languages, transaction processing, and recovery techniques; object-oriented and distributed database systems; and database design. Prerequisite(s): CS 1520; CS 1800; junior standing. Prerequisite(s) for Data Science minors: CS 2150; junior standing. (Fall)

CS 3150/5150. Information Storage and Retrieval — 3 hrs.
Natural language processing; analysis of textual material by statistical, syntactic, and logical methods; retrieval systems models, dictionary construction, query processing, file structures, content analysis; automatic retrieval systems and question-answering systems; and evaluation of retrieval effectiveness. Prerequisite(s): CS 1520; CS 1800; junior standing. (Spring)

CS 3179. Cooperative Education — 1-4 hrs.
Application of classroom learning to field experience. Credit may not be applied to major or minor. Offered on credit/no credit basis only. May be retaken for up to six credits total. (Fall and Spring)

CS 3430/5430. Operating Systems — 3 hrs.
History and evolution of operating systems; process and processor management; primary and auxiliary storage management; performance evaluation, security, and distributed systems issues; and case studies of modern operating systems. Prerequisite(s): CS 1410; CS 1520; CS 1800; junior standing. (Spring)

CS 3470/5470. Networking — 3 hrs.
Network architectures and communication protocol standards. Topics include communication of digital data, data-link protocols, local-area networks, network-layer protocols, transport-layer protocols, applications, network security, and management. Prerequisite(s): CS 1410; CS 1520; CS 1800; junior standing. Prerequistes for Department of Technology majors: TECH 1037; TECH 2041; TECH 2042; CS 1160. (Fall)

CS 3510. Topics in Programming — 1 hr.
Quick study of a specified programming language or environment for those with considerable programming experience. Language syntax and semantics, common problems solved using it, and best practices. May be repeated with different topics. Prerequisite(s): CS 1520; CS 1800. (Variable)

CS 3530. Design and Analysis of Algorithms — 3 hrs.
Algorithm design techniques such as dynamic programming and greedy algorithms; complexity analysis of algorithms; efficient algorithms for classical problems; intractable problems and techniques for addressing them; and algorithms for parallel machines. Prerequisite(s): CS 1520; CS 1800. (Fall)

CS 3540. Programming Languages and Paradigms — 3 hrs.
Organization of programming languages; language design issues including syntax, data types, sequence control, and storage management; comparison of language features from object-oriented, imperative, functional, and logical paradigms. Prerequisite(s): CS 1520; CS 1800; junior standing. (Spring)

CS 3610/5610. Artificial Intelligence — 3 hrs.
Models of intelligent behavior and problem solving; knowledge representation and search methods; learning; topics such as knowledge-based systems, language understanding, and vision. Prerequisite(s): CS 1520; CS 1800; junior standing. (Fall)

CS 3650/5650. Computational Biology — 3 hrs.
Applications of computer science techniques to biological problems; introduction to computational DNA and protein sequence analysis; dynamic programming; optimal alignment algorithms; DNA sequencing and fragment assembly; gene expression arrays; clustering algorithms; evolutionary trees; multiple alignments; hidden Markov models. Prerequisite(s): CS 1520 and CS 1800; junior standing. (Spring)

CS 3730/5730. Project Management — 1 hr.
Examination of problems of organizing, controlling, managing, and evaluating a software project; software metrics and human input. Prerequisite(s): For Networking and System Administration majors: junior standing. For all other majors: CS 2530; junior standing. (Fall and Spring)

CS 3750/5750. Software Verification and Validation — 3 hrs.
Taxonomy of software defects and approaches to identifying them, including black box testing, functional testing, control flow testing, data flow testing, software inspection. Introduction to use of static analysis in development of high integrity software. Prerequisite(s): CS 1520; CS 1800; junior standing. (Spring)

CS 3810/5810. Theory of Computation — 3 hrs.
Topics include regular languages and grammars; finite state automata; context-free languages and grammars; language recognition and parsing; and Turing computability and undecidability. Prerequisite(s): CS 1800; junior standing. (Spring)

CS 4400/5400. System Administration — 3 hrs.
Major concepts and mechanisms associated with computer system administration. Focus on issues surrounding user management, the configuration of services, and the coordination of distributed resources. Prerequisite(s): CS 3470/5470; junior standing. (Spring)

CS 4410/5410. System Security — 3 hrs.
Topics include the need for security services, data integrity, network intrusion and monitoring, configuration of secure services, root kits, and buffer overflow techniques and remedies. Additional topics include enterprise-wide monitoring, honeypots, and recognizing trends in a networked environment. Prerequisite(s): CS 3470/5470; junior standing. Prerequisite(s) or corequisite(s): CS 3730/5730. (Spring)

CS 4420. Applied Systems Forensics — 3 hrs.
Essentials of applied computer system forensics; evidence preserving techniques; reconstruction of storage volumes and deleted volumes and files; identification of evidence in computer memory; encryption; log analysis; generation of forensic reports. Topics are covered in the context of incidence response to compromised systems. Prerequisite(s): CS 1410; CS 1520; CS 1800; CS 3430/5430. (Fall)

CS 4550/5550. Translation of Programming Languages — 3 hrs.
Introduction to analysis of programming languages and construction of translators. Prerequisite(s): CS 2530 and one of the following: CS 3530, CS 3540, CS 3810/5810; junior standing. Prerequisite(s) or corequisite(s): CS 3730/5730. (Fall)

CS 4620/5620. Intelligent Systems — 3 hrs.
Design and implementation of programs that apply artificial intelligence techniques to problems such as design, diagnosis, and distributed problem solving. Emphasis on team design and development of large systems. Prerequisite(s): CS 2530; CS 3610/5610 or equivalent; junior standing. Prerequisite(s) or corequisite(s): CS 3730/5730. (Spring)

CS 4740/5740. Real-Time Embedded Systems — 3 hrs.
Specification, design, and implementation principles and techniques for real-time embedded systems. Topics include programming languages and paradigms, reliability and fault tolerance, concurrent programming, scheduling, and the interaction between hardware and software. Student teams will complete a significant real-time embedded software project. Prerequisite(s): CS 2530; CS 2720; junior standing. Prerequisite(s) or corequisite(s): CS 3730/5730. (Fall)

CS 4800. Undergraduate Research in Computer Science — 1-3 hrs.
May be repeated for maximum of 6 hours. (Fall and Spring)

CS 4880/5880. Topics in Computer Science — 3 hrs.
Topics of general interest from any area of computer science, including systems, software, or theory. Can be counted in any specialization area, with department approval for individual topics. Prerequisite(s): CS 1520; CS 1800; junior standing. (Variable)

CS 6140. Database Management Systems — 3 hrs.
Database system concepts, physical data organization, the network model and the DBTG Proposal, the hierarchical model, the relational model, relational query languages, design theory of relational databases, query optimization, and normalization. Prerequisite(s): consent of instructor. (Variable)

CS 6400. Computer Systems — 3 hrs.
Survey of issues in computer system analysis and design. Emphasis on relationship between system hardware and software including tools and environments for software development on parallel and distributed computer systems. Prerequisite(s): for Computer Science majors: CS 2420 or CS 3430/5430. Prerequisite(s) for non-Computer Science majors: proficiency in a high-level programming language; consent of instructor. (Variable)

CS 6500. Algorithms — 3 hrs.
Survey of analysis and design of algorithms. Topics include algorithm design techniques, efficient algorithms for classical problems, and intractable problems and techniques for solving them. Prerequisite(s): CS 3530. (Variable)

CS 6800. Theoretical Foundations of Computing — 3 hrs.
Survey of theoretical models of computation and basic theory of computability. Topics include Turing machines, undecidability, NP-completeness, and computational complexity. Consideration of applications of theory to contemporary problems in computing. Prerequisite(s): CS 3810/5810. (Variable)

Computer Science Education Courses (CS ED)

Courses

CS ED 1310. Programming Environments for Elementary Education — 3 hrs.
Introduction to computational thinking and computer programming. Taught as a survey of programming environments used by elementary education teachers. Topics include structure of programming and the study of several programming environments used by students at a variety of age/ability levels. Prerequisite(s): TEACHING 2017. (Fall and Spring)

CS ED 1320. Fundamentals of Programming — 3 hrs.
Introduction to computer programming through a survey of programming environments used by teachers. Topics include structure of programming, study of several programming environments used by students at a variety of age/ability levels, and end-user programming for teachers. (Fall)

CS ED 2310. Foundational Concepts in Computer Science — 3 hrs.
Examine the breadth of the field of computer science beyond the programming of the computers. Topics include data storage and manipulation, computer organization, operating systems, networking and the Internet, software engineering, databases, and artificial intelligence. Give potential teachers a general introduction to commonly taught sub-disciplines in computer science so that they can have informed discussions with students before they study a topic more deeply. Prerequisite(s): TEACHING 2017. (Fall)

CS ED 3310/5310. Teaching and Learning Programming — 3 hrs.
Students will enhance their skill and understanding of programming while examining common programming problems, examples of bad/good code, and common misconceptions/difficulties. Students will examine common paradigms for teaching programming. Students will study broader challenges to learning such as broadening participation, understanding and avoiding bias, and best practices for classroom engagement. Prerequisite(s): CS ED 1320 or equivalent; TEACHING 2017; junior standing. (Spring)

CS ED 3320/5320. Data Structures and Algorithms — 3 hrs.
Introduction to the structure and application of common data structures used in computer science and the algorithms used with/for these structures. Includes an ongoing discussion on algorithm analysis. Also includes significant elements of algorithms, program design, techniques for data storage and retrieval, and data beyond a local text file. Prerequisite(s): CS ED 1320 or equivalent; CS ED 3310/5310; TEACHING 2017; junior standing. (Spring)

CS ED 4330/5330. Methods for Teaching Computer Science — 3 hrs.
Teaching approaches, instructional and assessment strategies, curricular and laboratory materials, and issues in secondary computer science. Students will develop a project, either in a classroom or during an after-school or similar experience that seeks to teach a section of the CS standards. Projects should stress inclusivity and appeal to a diverse group of students. Data will be collected about projects including demographics of participants, aggregate achievement, and analysis of student work samples. Prerequisite(s): CS ED 1320 or equivalent; CS ED 2310; CS ED 3310/5310; CS ED 3320/5320; TEACHING 3128; EDPSYCH 3148; junior standing. (Spring)

Counseling Courses (COUN)

Courses

COUN 4100. Introduction to Professional Counseling — 3 hrs.
General overview of the profession of counseling. Outlines the different areas of expertise such as clinical mental health, school, substance abuse, rehabilitation, career, and couples/marriage counseling among others. General theories, ethical, and legal issues are explored. Examination of current trends in the profession of counseling and the evolving profile of a professional counselor. Prerequisite(s): junior standing; consent of department head. (Spring)

COUN 4105/5105. Counseling Skills — 3 hrs.
Focus on developing counseling skills with emphasis on self-understanding. Verbal and non-verbal counseling skills are developed through lecture, demonstration, and extensive laboratory practice. Prerequisite(s): junior standing; consent of department head. (Fall and Spring)

COUN 4198. Independent Study — 1-6 hrs.
(Variable)

COUN 6103. Professional Orientation and Ethics in Counseling — 3 hrs.
This course provides an orientation to the profession of counseling with an emphasis of the development of the professional counselor's identity. This course will provide an introduction into the professional roles, the history and philosophy of counseling, current trends and practices of counseling, professional credentials, as well as ethical and legal standards for the profession. The course emphasizes the position of the national accrediting body of the counseling profession (CACREP) focusing on professionalism, self-care, and self-awareness grounded in an understanding of neuroscience and wellness. Additionally, the course covers the area of supervision, consultation, evaluation, research, evidence-based practices, assessment and diagnosis. The areas of crisis, trauma, and disaster are introduced within the framework of school and clinical mental health counseling. This is an introductory class for the first semester in the program. (Fall)

COUN 6104. Counseling Theories — 3 hrs.
Overview of predominant counseling and human development theories, including emphasis on learning and personality development and normal and abnormal human behavior. Stresses practical applications in school and mental health settings. Prerequisite(s): consent of department head. Prerequisite(s) or corequisite(s): COUN 4103; COUN 4105/5105. (Fall)

COUN 6207. Diagnosis and Psychopharmacology in Mental Health Counseling — 3 hrs.
This course will provide an opportunity for students to acquire knowledge of psychopathology, etiology, diagnosis, and treatment of mental and emotional disorders and dysfunctional behavior. Students will learn the drug mechanisms and drug actions for drugs used in the treatment for mental disorders, the efficacy and risks of specific classes of drugs and the roles of the non-prescribing mental health professional in combination treatment of mental disorders Prerequisite(s): COUN 4103; COUN 4105/5105; COUN 6104. (Summer)

COUN 6210. Developing Comprehensive School Counseling Programs — 3 hrs.
Focus on managing, organizing, and designing K-12 comprehensive, sequential, developmental guidance programs. Prerequisite(s): School

Counseling major; COUN 4103; COUN 4105/5105; consent of department head. (Summer)

COUN 6220. Group Counseling Skills and Processes — 3 hrs.
Emphasis on theoretical and experiential understandings of group dynamics, development, theories, and methods. Focus on group leadership and group membership. Experiential laboratory participation incorporated. Prerequisite(s): COUN 4103; COUN 4105/5105; consent of department head. (Fall and Spring)

COUN 6225. Facilitating Career Development — 3 hrs.
Exploration of career development theory and career counseling techniques. Emphasis on significance of occupational choice; examination of sociological, psychological, and economic factors. Prerequisite(s): COUN 4103; COUN 4105/5105; consent of department head. (Summer)

COUN 6228. Assessment Techniques in Counseling — 3 hrs.
Assessment and appraisal procedures of individuals and groups. Primary focus on the understanding and use of standardized and non-standardized tests, inventories, observations, and case data for diagnosis in counseling. Prerequisite(s): COUN 4103; COUN 4105/5105; COUN 6205 (highly recommended); consent of department head. (Fall and Spring)

COUN 6254. Counseling Children and Adolescents — 3 hrs.
Normal and abnormal child/adolescent development, problem conceptualization from an individual as well as a systems-based perspective, and development of advanced-level counseling skills with emphasis on age-appropriate assessment and interventions. Lab practice and actual counseling experience with young clients. Prerequisite(s): COUN 4105/5105 (grade of B or higher); COUN 6227 (highly recommended); consent of department head. (Fall)

COUN 6256. Multicultural Counseling — 3 hrs.
Emphasizes examination of personal attitudes, perceptions, and behaviors regarding women, ethnic minorities, elderly, gays and lesbians, and persons with disabilities and concepts such as oppression. Increases understanding of counseling theories and techniques within a multicultural paradigm. Prerequisite(s): COUN 4103; COUN 4105/5105; COUN 6227; consent of department head. (Spring and Summer)

COUN 6262. Intervention and Prevention in Lifespan Development — 3 hrs.
Explores crises and challenges during developmental stages, which may bring individuals, couples, or families to counseling. Discussion of diversity, human development theory, and ethical considerations in lifespan development for application to counseling. Prerequisite(s): COUN 4103; COUN 4105/5105; consent of department head. (Fall)

COUN 6285. Readings in Counseling.
(Variable)

COUN 6289. Seminar in Counseling.
Special topics as indicated in the Schedule of Classes. (Variable)

COUN 6290. Practicum in Counseling — 3 hrs.
First-level intensive experience designed to further develop individual and group counseling skills. Offered on credit/no credit basis only. Prerequisite(s): for School Counseling: COUN 4103; COUN 4105/5105; COUN 6220; COUN 6227; COUN 6250 (recommended); COUN 6254 (grade of B or higher); COUN 6262 (highly recommended); consent of department head. Prerequisite(s) for Mental Health Counseling: COUN 4103; COUN 4105/5105; COUN 6205 (grade of B or higher); COUN 6220; COUN 6227; COUN 6241 (recommended/can take as corequisite); COUN 6250 (recommended); PSYCH 3403/5403; consent of department head. (Fall and Spring)

COUN 6291. Internship — 3-6 hrs.
Advanced intensive experience designed to integrate counseling and consultation skills in a work setting. Offered on credit/no credit basis only. May be repeated for up to 12 credits. Six hours are required for students to complete requirements for licensing in each emphasis area (Clinical Mental Health or School Counseling). Prerequisite(s): for School Counseling: COUN 6262; COUN 6290; consent of department head. Prerequisite(s) for Mental Health Counseling: COUN 6290; consent of department head. (Fall and Spring)

COUN 6299. Research.
Prerequisite(s): consent of department. (Variable)

COUN 6304. Crisis and Trauma Intervention and Management — 3 hrs.
This course provides an opportunity to learn the necessary crisis counseling skills to apply in various school and mental health settings. Students will design specific crisis and trauma informed interventions and community-based strategies for management and treatment of individuals and groups during crisis, disasters, or traumatic experiences. Students will identify counselors' roles and responsibilities as members of interdisciplinary community outreach and emergency management response teams. Students will apply procedures for assessing risk of aggression or danger to others, self-inflicted harm, or suicide to crisis case studies according to Council of the Accreditation of Counseling and Related Educational Programs (CACREP) standards. Prerequisite(s): COUN 4103; COUN 4105/5105 (grade B or higher); and COUN 6104. (Summer)

COUN 6405. Advanced Psychopathology and Treatment — 3 hrs.
This course will provide students with the opportunity to acquire knowledge of the general principles of diagnosis, neuroscience, and treatment and prevention of dysfunctional behavior and mental-emotional disorders. Students will develop an advanced understanding of therapeutic change, create clinical hypothesis, and build case conceptualization and treatment planning skills based on the Council for the Accreditation of Counseling and Related Educational Programs (CACREP) and American Mental Health Counseling Association (AMHCA) Standards of Practice for Clinical Mental Health Counselors. Students will apply clinical knowledge to case studies and integrate. Prerequisite(s): COUN 4103; COUN 4105/5105 (grade B or higher); COUN 6104; COUN 6205 (grade of B or higher); or consent of department head. (Fall)

COUN 6406. Foundations of School Counseling — 3 hrs.
This course provides students the opportunity to gain knowledge and information pertaining the basic principles of supervision, its stages of development, theories associated with it, and its ramifications for school counselors in the field. Students will have the opportunity to integrate theory and application via the introduction of school guidance activities in the classroom for students at the K-12 level using the basic tenets of the comprehensive guidance system established by the American School Counseling Association (ASCA) and the Council for the Accreditation of Counseling and Related Educational Programs (CACREP), apply clinical knowledge to case studies and integrate. Additionally, core curriculum design, lesson plan development, classroom management strategies, and differentiated instructional strategies are applied and integrated based on age appropriate levels. Prerequisite(s): COUN 4103; COUN 4105/5105 grade B or higher; COUN 6210 grade B or higher. (Fall)

COUN 6503. Wellness, Self-Care, and Brain-Based Strategies — 3 hrs.
This course provides students the opportunity to develop intervention and prevention strategies regarding wellness and self-care of clients and counselors. Students will integrate neuroscience principles and counseling practice that demonstrate the use of brain-based strategies which align with the Council for the Accreditation of Counseling and Related Educational Programs (CACREP) standards. Prerequisite(s): COUN 4103; COUN 4105/5105(grade of B or higher); COUN 6104. (Spring)

COUN 6505. Dynamics of Family, Couples and Human Sexuality in Counseling — 3 hrs.
This course is an introduction to conducting couples and family therapy in mental health counseling. The course content focuses on couple and family systems perspective. It includes theoretical foundations, development life cycles, issues related to human sexuality in couples and families, identification of functional/dysfunctional family systems, survey of interventions and general process of couple and family counseling. Prerequisite(s): COUN 4103; COUN 4105/5105; COUN 6104; COUN 6207 (grade of B or higher); COUN 6405 (grade of B or higher). (Fall and Spring)

COUN 6506. Counseling Issues with Families and Parents in School Settings — 3 hrs.
This course provides an overview of the application of family counseling concepts and techniques in school settings. It examines four specific modes of counselor intervention: (a) collaborating with parents and teachers to resolve individual student issues, (b) providing staff training and consultation to address common needs of students and their families, (c) designing school-wide interventions to change the culture of the school so as to more fully engage families and facilitate student development, and (d) building referral relationships with professionals in the community to address student needs. It embraces the school counselor roles of leader, advocate, collaborator and system change agent and facilitates an epistemological shift from an individual/intrapsychic way of thinking to a relational/systemic way of thinking in designing and providing counseling services. Prerequisite(s): COUN 4103; COUN 4105/5105 (grade of B or higher); COUN 6210 (grade of B or higher); COUN 6406 (grade of B or higher). (Spring)

COUN 6605. Counseling Process and Practices for Substance Abuse and Co-occuring Disorders — 3 hrs.
Develops advanced-level counseling skills necessary for clinical practice in mental health and substance abuse treatment settings. Focus on case conceptualization and specific interventions for initiating, sustaining, and terminating a counseling experience addressing substance abuse and co-occuring disorders as outlined in the American Mental Health Counseling Association Standards for the Practice of Clinical Mental Health Counseling and related Council for the Accreditation of Counseling and Related Educational Programs (CACREP) standards. Extensive skill practice/lab. Prerequisite(s): COUN 4103; COUN 4105/5105; COUN 6104; COUN 6207 (grade B or higher); COUN 6405 (grade B or higher); COUN 6506 (grade B or higher). (Spring)

COUN 6706. Current Issues in School Counseling — 3 hrs.
This course provides an overview of the current legal, licensure, ethical and professional issues in school counseling. It also emphasizes data collection and usage to enhance a school counselor's accountability applying the National Model established by the American School Counseling Association (ASCA). Prerequisite(s): COUN 4103; COUN 4105/5105; COUN 6104 (grade of B or higher); COUN 6210; COUN 6406; COUN 6506. (Summer)

COUN 6805. Integrated Counseling Practice and Clinical Supervision — 3 hrs.
Provides an overview of integrated behavioral health counseling practice, legal and licensure issues related to mental healthcare settings, and the consultation and supervision processes provided by clinical mental health counseling professionals as outlined in the American Mental Health Counseling Association (AMHCA) Standards for the Practice of Clinical Mental Health Counseling and standards of the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). Prerequisite(s): COUN 4103; COUN 4105/5105; COUN 6104; COUN 6207 grade of B or higher; COUN 6405 grade of B or higher; COUN 6605 grade of B or higher. (Spring and Summer)

COUN 6806. Leadership, Consultation, and Collaboration in School Counseling — 3 hrs.
This course provides an overview of the most up-to-date school-based collaboration and consultation models consistent with the American School Counseling Association (ASCA) model and school counseling competencies. It encapsulates the school counselor's roles as leaders, advocates, and system change agents in P-12 schools. It has practical applications and techniques on how to foster collaboration and teamwork within schools and community agencies using the principles of multidisciplinary teams from a school counseling perspective. Prerequisite(s): COUN 4103; COUN 4105/5105 grade of B or higher; COUN 6210 (grade of B or higher); COUN 6406 (grade of B or higher); COUN 6506 (grade of B or higher); COUN 6706 (grade of B or higher). (Spring)

Criminology Courses (CRIM)

Courses

CRIM 2022. Criminal Justice System — 3 hrs.
History, development, and day-to-day operation of the criminal justice system within our society. Emphasis is placed on interrelationships between specific stages in the crime-control process, the three major components of the criminal justice system (police, courts, and corrections), and current issues/problems that the criminal justice system faces. (Fall and Spring)

CRIM 2025. Criminology — 3 hrs.
Introduction to the study of criminal behavior with an emphasis on theories of crime causation. Strategies for reducing crime based on theoretical explanations and existing data are also discussed. This class also covers methods of how crime data is collected and how that data is used in the criminal justice system to change policing tactics, create crime prevention programs, and administer correctional programming. (Fall and Spring)

CRIM 2127. Juvenile Delinquency — 3 hrs.
Examination of the causes of delinquency in children, focusing on the effects of parenting, youth subcultures, and the media. Includes youth crimes, such as shoplifting and vandalism. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2025. (Spring)

CRIM 2134. Crime Analysis — 3 hrs.
Provides an introductory understanding of the history and methodology of examining crime information. Covers applied technical skills for managing, analyzing, and presenting data relevant to criminal justice agencies. Prerequisite(s): SOC SCI 2020 or STAT 1772; sophomore standing. (Fall)

CRIM 2152. Crime and Community — 3 hrs.
Exploration of the connection between community characteristics and crime with an emphasis on crime in the inner city. Students are presented with theories that address why some neighborhoods have concentrated crime and learn about what scholars, organizers, police, and politicians can do to reduce crime. (Fall)

CRIM 2217. Community Corrections — 3 hrs.
Community corrections covers all forms of punishment that take place in the community, from probation and parole to electronic monitoring, fines, boot camps, and intensive supervision. This class includes discussion of supervision and treatment options with all types of offenders, including sex offenders, mentally ill offenders, and those addicted to drugs and alcohol. Restorative justice and prison reentry programs are also covered. Prerequisite(s): CRIM 2022; sophomore standing. (Variable)

CRIM 2232. Juvenile Justice — 3 hrs.
This course examines the ways that juveniles come into contact with the justice system through schools and policing, the varied experiences of juveniles in the courts and in custody, and what happens when juveniles are released from supervision. This course asks how power, race, social class, and gender impact a juveniles path through the system and their outcomes. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022. (Spring)

CRIM 2500. Criminal Law and Procedure — 3 hrs.
This course covers the development of criminal law in America, including the historical development of 4th, 5th, 6th, 8th and 14th Amendment rights. Criminal law generally defines the rights and obligations of individuals, while procedural law concerns the protection of individual rights through all phases of the criminal justice process from first contact with police through trial and sentencing. Emphasis is on practical knowledge of procedural law for criminal justice workers. Prerequisite(s): CRIM 2022. (Variable)

CRIM 2502. Report Writing in Criminal Justice — 3 hrs.
This course provides an overview of written and oral communication for criminal justice professionals, including its purposes, policies, procedures and processes. Emphasis is on written documents prepared by the professional, but some attention will be given to oral communication, especially on practical skills such as testifying in court, interviewing victims , witnesses and suspects, and dealing with the media and the public. Prerequisite(s): CRIM 2022. (Variable)

CRIM 2504. Criminal Investigation — 3 hrs.
Covers fundamental principles and procedures employed in the investigation of a crime. Explores the primary components of interviewing and investigations; practices in the apprehension of suspects; preparation of criminal cases. This course is designed to develop a working knowledge of the steps in investigation from the initial securing of a crime scene to the presentation of evidence in trial. Prerequisite(s): CRIM 2022. (Variable)

CRIM 2506. Criminalistics — 3 hrs.
Introduction to the theory and practices of the collection, preservation, and analysis of physical evidence at a crime scene. Introduces students to the functions of the forensic laboratory and its relationship to successful investigations and prosecutions. Topics covered include crime scene processing, investigative techniques, and current forensic technologies. Prerequisite(s): CRIM 2022. (Spring)

CRIM 3100. Social Deviance and Control — 3 hrs.
Causes and consequences of socially-disapproved behavior; role of social control agencies in recruitment of deviant identities, management of and reaction to deviance; dynamics of labeling processes, and examination of social meaning of non-normative behavior. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Spring)

CRIM 3120. Collateral Consequences of Corrections — 3 hrs.
Examination of the social history of crime and punishment in American society through various correctional theories, and how it relates to correctional policy, power relations, and cultural values. A special focus on mass incarceration and issues related to corrections in the 21st century is provided. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022 or CRIM 2025; junior standing. (Spring)

CRIM 3151. Crime and Social Inequality — 3 hrs.
This class explores the significance of race, ethnicity, class, and gender inequality in the criminal justice system, including the relationship of inequality to law creation, law enforcement, court decisions, and correctional placement and treatment. A particular focus is placed on how ethnicity, race, class, and gender disparities are created in the system and what can be done to change these patterns. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Variable)

CRIM 3179. Cooperative Education — 1-3 hrs.
May be repeated for a total of six credit hours (only three credit hours may count towards completion of the Criminology major). Prerequisite(s): consent of instructor and department head and Cooperative Education Office. (Fall, Spring, Summer)

CRIM 3200. Communication Ethics for Criminal Justice Professionals — 3 hrs.
Effective communication, both as an individual and as part of group, is an essential skill for any criminal justice professional. In this course, students will become familiar with and apply learned skills to different communication processes in the criminal justice system. Students will learn and apply non-verbal, written and oral communication skills to a variety of scenarios, including interviewing, interrogation, contact with the general public, social media, and interdepartmental communications. Emphasis is placed on the importance of ethical communications, both as an individual and as a group, between criminal justice professionals and offenders, victims, colleagues, and the general public. Prerequisite(s): CRIM 2022. (Variable)

CRIM 3225. Criminal Court System — 3 hrs.
This course will explore the various roles of court personnel, attorneys, defendants, witnesses, and jurors. This course focuses on the impact of social inequality on the structure and operation of criminal courts in the United States. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022. (Variable)

CRIM 3226. Crime and Punishment — 3 hrs.
Crime and punishment in American society, social history of punishment, theories of punishment, and how it relates to prison subcultures, crime rates, power relations, and cultural values. A special focus on incarceration in the 21st century is provided. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022. (Variable)

CRIM 3228. Mental Health and the Criminal Justice System — 3 hrs.
Critical examination of issues related to mental health within the criminal justice system. This course will consider both the ways that individuals with mental health issues are disproportionately likely to have contact with the criminal justice system as well as the ways that the criminal justice system impacts mental health of individuals. Prerequisite(s): SOC 1000 or SOC 1060 or CRIM 2022. (Spring)

CRIM 3314. Ethics in Crime, Law and Justice — 3 hrs.
Critical examination of ethical issues and dilemmas facing criminal justice professionals, framed within the context of both theoretical

ethical systems and applied context. Ethical issues and dilemmas related to students and the general public are also discussed. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022; junior standing. (Variable)

CRIM 3319. Victimology — 3 hrs.
Sociological investigation of institutional, economic, family, and personal victimization in American society with special attention to causes and processes of exploitation. Prerequisite(s): junior standing. (Fall)

CRIM 3369. Drugs and Society — 3 hrs.
This course explores the history of the regulation of psychoactive substances in the United States. In addition, this course provides an overview of social science research on drug use, drug enforcement, and media portrayals of drug use. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2025. (Variable)

CRIM 3400. Police and Society — 3 hrs.
This course is a study of the criminal justice system and the problems it confronts to assess whether or not it effectively reduces crime and achieves justice. We will learn about the law and processes of the justice system in order to evaluate its proficiency as an instrument of social control. It covers the workings of law enforcement, the courts, and the correctional system, as well as juvenile justice. It reviews what constitutes crime, how crime is measured, and the theories used to explain crime. We will also examine the ideals and objectives of law enforcement, and we will explore sociological issues of race, class, gender, and power, in order to develop more effective strategies in the planning and development of crime policy. Additionally, this course looks to the future and outlines some of the pressing issues that continue to challenge crime control in a democratic society. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022. (Spring)

CRIM 3500. Advanced Criminal Procedure — 3 hrs.
This course draws on social science research to explore the gap between the law on the books and the law in practice. This course will cover major areas in American criminal procedure like search and seizure, Miranda rights, and the right to counsel. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022. (Variable)

CRIM 4122. Youth Gangs — 3 hrs.
Origins and development of youth gangs in United States. Topics include recent emergence of gangs, especially in Iowa, relationship between drugs and violence and gang activity, and creation of social policy to prevent and control gang activity. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Spring)

CRIM 4137. Homicide — 3 hrs.
Presentation of a description, discussion, and evaluation of the various types of homicide. Focus on the characteristics and backgrounds of homicidal offenders. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2025; junior standing. (Spring)

CRIM 4198. Independent Study — 1-3 hrs.
May be repeated with department head approval. Prerequisite(s): consent of instructor and department head. (Variable)

CRIM 4216. Correctional Treatment: Theory and Practice — 3 hrs.
Examination of evolution and development of correctional treatment in United States, with special attention to description and evaluation of programs in juvenile and adult corrections. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022 or CRIM 2025; junior standing. (Fall)

CRIM 4253. Crime and Public Policy — 3 hrs.
Analysis of public policy issues related to crime and justice. Focus on the design, implementation and evaluation of public policy responses to criminal behavior. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022; junior standing. (Fall)

CRIM 4300. Wrongful Convictions — 3 hrs.
This class explores the variety of ways that innocent people can be convicted of crimes they did not commit. We will consider problems that can occur in the investigation and prosecution processes and we will consider the steps that can be taken to reduce or eliminate these problems. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022; junior standing. (Variable)

CRIM 4331/5331. Women, Crime and Society — 3 hrs.
Sociological analysis of women as victims, offenders, practitioners, and professionals in the criminal justice system. Examination of changing perceptions and behaviors of women in United States and other countries in relation to role expectations of women in criminal justice system. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Variable)

CRIM 4350. Corrections Special Topics — 3 hrs.
Topics courses in corrections focus on a wide variety of issues related to either or both community-based corrections, incarceration, or correctional alternatives. Topic listed in Schedule of Classes. May be repeated for maximum of 6 hours. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022; junior standing. (Variable)

CRIM 4360. Law Enforcement Special Topics — 3 hrs.
Topics courses in law enforcement focus on a wide variety of issues related to policing, law enforcement officers, etc. Topic listed in Schedule of Classes. May be repeated for maximum of 6 hours. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022; junior standing. (Variable)

CRIM 4371. Topics in Criminal Justice — 3 hrs.
Topics courses in criminal justice focus on wide variety of issues related to police, courts, and corrections. Topic listed in Schedule of Classes. May be repeated for maximum of 6 hours. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2022; junior standing. (Variable)

CRIM 4381. Topics in Criminology — 3 hrs.
Topics courses in criminology focus on issues related to the definition, causes, patterns consequences, control, and political and social reactions to crime. Other topics focus on specialized topics of interest related to the field of criminology. Topic listed in Schedule of Classes. May be repeated for maximum of 6 hours. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2025; junior standing. (Variable)

CRIM 4485. Criminology Internship — 1-6 hrs.
Experiential learning through internship placement in a criminological or criminal justice related agency or position. May be repeated for maximum of six hours. Requires prior consultation with instructor. Intended for criminology majors. A maximum of three credit hours of CRIM 4485 or 4585 may count toward the criminology major. Prerequisite(s): 12 hours in criminology (CRIM xxxx); major GPA of 2.80 or higher; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

CRIM 4500. Criminology Independent Study — 1-3 hrs.
Independent study course. Details to be determined by faculty and student. May be repeated with department head approval. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2025; junior standing; consent of instructor and department head. (Variable)

CRIM 4550. Criminal Justice Independent Study — 3 hrs.
Independent study course. Details to be determined by faculty and student. May be repeated with consent of department dead. Prerequisite(s): SOC 1000 or SOC 1060; CRIM 2025; junior standing; consent of instructor and department head. (Variable)

CRIM 4575. Senior Seminar in Criminology — 3 hrs.
Designed for students nearing graduation, this course covers information related to career preparation and employability. It also emphasizes personal growth and development while at the same time covering topics and issues relevant for all criminal justice professions. Prerequisite(s): Criminology major only; senior standing or consent of instructor. (Fall and Spring)

CRIM 4585. Practical Field Experience — 1-6 hrs.
Designed for students currently working in a criminology-related agency or position. Provides an opportunity for students to apply academic material to their current jobs in criminology or a related field. Intended for criminology majors. May be repeated for a maximum of six hours. A maximum of three credit hours of CRIM 4485 or 4585 may count toward the criminology major. Prerequisite(s): 12 hours in criminology (CRIM xxxx); major GPA of 2.80 or higher; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

Earth Science Courses (EARTHSCI)

Courses

EARTHSCI 1100. Astronomy — 3 hrs.
Introduction to the Universe, solar system, stars, and galaxies, including apparent motions of bodies in the sky; development of astronomy and its impact on humankind. Student Learning Outcomes include Critical Thinking and Scientific Reasoning. Discussion, 3 periods. (Fall, Spring, Summer)

EARTHSCI 1110. Astronomy Laboratory — 1 hr.
Exploration of astronomical phenomena through the use of telescopes, charts, computer simulations, and other laboratory equipment. Students will derive the characteristics of astronomical objects, and examine their behavior. Student Learning Outcomes include Critical Thinking and Scientific Reasoning. Lab, 2 periods. Prerequisite(s) or corequisite(s): EARTHSCI 1100. (Fall and Spring)

EARTHSCI 1200. Elements of Weather — 3 hrs.
Meteorological elements and their applications to environment; interpretation of weather maps and weather data; forecasting and briefing on daily weather. Student Learning Outcomes include Critical Thinking and Scientific Reasoning. Discussion, 3 periods. No credit for those who have completed EARTHSCI 3210/5210. (Fall and Spring)

EARTHSCI 1210. Elements of Weather Laboratory — 1 hr.
Fundamentals of meteorological observation, use of basic meteorological instruments, and applications of maps and charts to understanding forecasts. Intended for science teaching majors and minors. Student Learning Outcomes include Critical Thinking and Scientific Reasoning. Lab, 2 periods. Prerequisite(s) or corequisite(s): EARTHSCI 1200. (Fall and Spring)

EARTHSCI 1300. Introduction to Geology — 4 hrs.
Introduction to the physical environment, emphasizing materials of the Earth and processes that lead to changes within and on the Earth. Lab emphasis includes rocks and minerals, geologic processes, and landscape development. Discussion, 3 periods; lab, 2 periods. (Fall and Spring)

EARTHSCI 1320. Earth History — 4 hrs.
Methods and principles used in deciphering the 4.6 billion-year history of our planet; discussion of history and evolution of life on Earth and examination of major physical and plate-tectonic events through geologic time. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): EARTHSCI 1300 or equivalent. (Fall and Spring)

EARTHSCI 1400. Introduction to Environmental Earth Science — 3 hrs.
Introduction to the physical, chemical, and cultural components of the natural world around us. The primary focus is on global-scale understanding of environmental issues using a scientific approach. Discussion, 3 periods. (Fall and Spring)

EARTHSCI 1405. Environmental Earth Science Laboratory — 1 hr.
Students will apply a wide range of analytical, geological, meteorological, hydrological and geochemical, methods to describe and quantify the Earth's physical environments. Connections between these physical environments and humanity are emphasized including: agricultural practices, mining, economic impacts, energy production/use, contamination to remediation, as well as best management practices in environmental mitigation and sustainability. Laboratory, 2 periods. Prerequisite(s) or corequisite(s): EARTHSCI 1400. (Fall and Spring)

EARTHSCI 1410. Field Studies in _____ — 1-4 hrs.
Field studies in various areas of Earth and Environmental Sciences: geology, oceanography, paleontology, meteorology, hydrology, environmental science, and astronomy. To be preceded or followed by seminars on proposed study area. Student collection of data in the field and reports on their findings. May be repeated in different study area. Only 4 hours may be applied to the Earth Science minor. Prerequisite(s): consent of instructor. (Variable)

EARTHSCI 3100/5100. Fundamentals of Astronomy — 4 hrs.
Basic principles of astronomy intended primarily for in-service teachers. No credit for students with credit in EARTHSCI 1100 or its equivalent. Prerequisite(s): junior standing; consent of department head. (Fall and Spring)

EARTHSCI 3110/5110. Observational Astronomy — 2 hrs.
Use of astronomical instruments (telescopes, cameras, and digital cameras), along with observing aids (charts, catalogs, and ephemerides), for collection, analysis, and interpretation of astronomical data. Discussion, 1 period; lab, 2 periods. Prerequisite(s): EARTHSCI 1100 (4 semester hours) or equivalent; junior standing. (Fall)

EARTHSCI 3120/5120. Planets — 3 hrs.
Examination of the Sun's family of planets, satellites, asteroids, and comets, including formation and evolution; processes currently at work in the Solar System; search for exoplanets. Discussion, 3 periods. Prerequisite(s): junior standing. (Variable)

EARTHSCI 3135. Stars, Galaxies and the Universe — 3 hrs.
Study of aspects of the Universe beyond the solar system. Topics include the structure and evolution of stars, red giants, white dwarfs, supernovae, pulsars, black holes, the Milky Way galaxy, active galaxies, extragalactic structures, quasars, supermassive black holes, and the origin, evolution and structure of the Universe. Discussion, 3 periods. Prerequisite(s): EARTHSCI 1100 or equivalent. (Odd Springs)

EARTHSCI 3150. Naked-eye Astronomy — 2 hrs.
Exploration of the changing sky with examples of how different cultures have reacted to and used these changes for time keeping and navigation. (Spring)

EARTHSCI 3200/5200. Fundamentals of Weather — 3 hrs.
Basic principles of meteorology intended primarily for in-service teachers. Prerequisite(s): junior standing; consent of department head. (Fall and Spring)

EARTHSCI 3210/5210. Meteorology — 4 hrs.
Weather observations; the atmospheric boundary layer; heating and cooling of the atmosphere; instability and thunderstorm formation; winds and weather systems; air pollution and weather. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): EARTHSCI 1200; junior standing. (Spring)

EARTHSCI 3220/5220. Weather Analysis and Forecasting — 3 hrs.
Fundamentals of weather forecasting; practical application of numerical prediction; analysis of surface and upper air weather observations; the polar front cyclone; conceptual models of atmospheric ascent; thunderstorms; ensemble forecasting; daily weather forecasting exercise. Discussion, 3 periods. Prerequisite(s): EARTHSCI 1200 or EARTHSCI 3200/5200; junior standing. (Variable)

EARTHSCI 3230/5230. Air Quality — 4 hrs.
Atmospheric pollution and pollutants; effect of air pollution on the atmosphere, health and welfare; regulation and public policy; atmospheric dispersion of air pollution; air pollution control; indoor air quality. Discussion, 4 periods. Prerequisite(s): EARTHSCI 1200; junior standing. (Fall)

EARTHSCI 3240/5240. Air Quality Modeling — 4 hrs.
Theory and application of air quality modeling; simulation of ambient concentrations of air pollution; dispersion modeling; photochemical modeling. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): EARTHSCI 1200; junior standing. (Spring)

EARTHSCI 3250/5250. Measurement and Analysis of Air Quality — 4 hrs.
Atmospheric chemistry; techniques commonly used in air quality measurement; collection and analysis of gases and particulates; remote sensing of air pollution; indoor air quality; determining compliance with air quality regulations. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): EARTHSCI 1200; junior standing. Prerequisite(s) or corequisite(s): EARTHSCI 3230/5230. (Fall)

EARTHSCI 3300/5300. Fundamentals of Geology — 4 hrs.
Basic principles of physical geology intended primarily for inservice teachers. Prerequisite(s): junior standing; consent of department head. (Fall and Spring)

EARTHSCI 3322. Earth Materials — 4 hrs.
Investigations of the composition, properties, classification, identification, and origin of common Earth materials including the major rock-forming minerals as well as igneous, sedimentary, and metamorphic rocks. Discussion 3 periods, lab 2 periods. Prerequisite(s): EARTHSCI 1300. (Spring)

EARTHSCI 3323. Geochemistry of the Land — 4 hrs.
Distribution of elements in and on the Earth. Explores the chemical processes governing these distributions. Emphasizes the use of chemical signatures and patterns to address geologic problems from mining to sustainable environments. Three lecture periods, one laboratory period. Prerequisite(s): EARTHSCI 1300 or EARTHSCI 1400; CHEM 1110. (Odd Springs)

EARTHSCI 3325/5325. Sedimentary Geology — 4 hrs.
Investigation of layered rocks, sedimentary processes, sedimentation, environments of deposition, correlation procedures, and classification and description of common sedimentary rocks. Field trips. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): EARTHSCI 1320. (Fall)

EARTHSCI 3327/5327. Paleoclimatology — 3 hrs.
Introduction to paleoclimatology emphasizing methods and principles used to decipher paleoclimate events in the geologic past. This course focuses on climate forcing, the response time of Earth's climate system, feedbacks within the climate system, and the role of carbon in this system over million-year time scales. In particular, the role of stable and radiogenic isotope proxies in determining paleoclimate events is emphasized. Discussion, 3 periods. Prerequisite(s): EARTHSCI 1300 or GEOG 1210; EARTHSCI 1320 or permission of the instructor; junior standing. (Variable)

EARTHSCI 3330/5330. Geomorphology — 4 hrs.
Classification, description, origin, and development of landforms and their relationship to underlying structure and lithology; emphasis on geomorphic processes. Includes fluvial, glacial, periglacial, eolian, karstic, weathering, and mass-movement processes and features. Discussion, 3 periods; labs and field trips, 2 periods. Prerequisite(s): EARTHSCI 1300 or GEOG 1210; junior standing. (Even Falls)

EARTHSCI 3336. Natural Resources and Civilizations — 3 hrs.
Introduction to the interactions and relationships between humans and natural resources: stone, clay, soil, water, plants. Geo archaeological findings from the Mediterranean to U.S.A. Rocky Mountains. (Spring)

EARTHSCI 3340/5340. Oceanography — 3 hrs.
Basic principles of geological, biological, chemical, and physical oceanography; emphasis on marine geology. Physiographic features of ocean basins, coastal features and processes, oceanic sediments, biological and geological resources, and ocean management. Discussion, 3 periods. Prerequisite(s): EARTHSCI 1300 or equivalent; junior standing. (Variable)

EARTHSCI 3345/5345. Environmental Geology — 3 hrs.
Recognition and remediation of natural and human induced geologic hazards. Analysis of issues or problems of local concern where possible. Discussion, 2 periods; lab and field trips, 2 periods. Prerequisite(s): EARTHSCI 1300 or equivalent; junior standing. (Odd Falls)

EARTHSCI 3350/5350. Environmental Hydrology — 3 hrs.
Introduction to environmental aspects of watershed hydrology. Surface water hydrologic processes, pollution of surface water resources, surface water - ground water interactions, unsaturated zone hydrologic processes, movement of chemicals in soils, site characterization, and soil remediation techniques. Discussion, 3 periods. Prerequisite(s): EARTHSCI 1300; junior standing. (Even Springs)

EARTHSCI 3355/5355. Hydrogeology — 3 hrs.
Principles and applications of hydrogeology including study of runoff, stream flow, soil moisture, and ground water flow. Examination and analysis of ground water flow to wells, regional ground water flow, geology of ground water occurrence, water chemistry of ground water, water quality and ground water contamination, ground water development and management, field methods, and ground water models. Discussion, 3 periods. Prerequisite(s): EARTHSCI 1300; junior standing. (Odd Springs)

EARTHSCI 3360/5360. Field and Laboratory Methods in Hydrology — 3 hrs.
Methods of data collection, laboratory procedures and error analysis associated with water in the geo-hydrologic systems. Develop skills in using hydrologic equipment, including ion chromatograph, spectrophotometers, water monitoring sondes, and well purging systems. Field trips; Discussion/lab, 4 periods. Prerequisite(s): junior standing. (Odd Falls)

EARTHSCI 3365/5365. Hydrology Seminar — 2 hrs.
Reviews of current literature to understand the role of hydrologic sciences in global water issues; discussions of new challenges in the field of hydrology in an era of changing global climate. Oral report on research topics. Discussions, 2 periods. Prerequisite(s): junior standing. (Even Falls)

EARTHSCI 3370. Geologic Field Methods — 4 hrs.
Students will be introduced to geological field safety, planning, and work (e.g. mapping, stratigraphy, rock, sediment, and descriptions etc.) Students will collect and record data using common geologic field methods and tools; synthesize geologic data collected in the field by producing geologic maps and cross-sections; and finally develop a justifiable geologic history based on multiple lines of evidence. Prerequisite(s): EARTHSCI 1300. (Odd Falls)

EARTHSCI 3400/5400. Topics in Earth and Environmental Science — 1-3 hrs.
Offered both on- and off-campus in flexible format. May include plate tectonics, geomagnetism, naked-eye astronomy, telescope usage, weather forecasting, environmental issues, or other topics of current interest. Topics listed in Schedule of Classes. May be repeated on different topic. Application to major requires consent of department head. Prerequisite(s): junior standing. (Fall, Spring, Summer)

EARTHSCI 3410/5410. Field Studies in _____ — 1-4 hrs.
Field studies in various areas of Earth and Environmental Sciences: geology, oceanography, paleontology, meteorology, hydrology, environmental science, and astronomy. To be followed or preceded by seminars on the proposed study area. Student collection of data in the field and reports on their findings. May be repeated in different study area. Only 4 hours may be applied to the Earth Science minor. Prerequisite(s) or corequisite(s): EARTHSCI 3000/4000-level course appropriate to the specific field studies and approved by department head; junior standing; consent of instructor. (Variable)

EARTHSCI 3420/5420. Readings in Earth and Environmental Science — 1-3 hrs.
Maximum of 3 hours may be applied to earth science or environmental science majors or minors. Prerequisite(s): junior standing; consent of instructor and department head. (Variable)

EARTHSCI 3430. Internship — 1-6 hrs.
Supervised work experience in approved work situation. Offered on credit/no credit basis only. Prerequisite(s): consent of department head. (Fall, Spring, Summer)

EARTHSCI 3500. Investigations in Earth and Space Sciences — 4 hrs.
Introduction to significant concepts and theories of earth science and a model of effective teaching strategies related to elementary school level. Topics include geologic materials and processes acting on them and fundamentals of earth history, weather, and astronomy. Discussion and/or lab, 5 periods plus arranged. Prerequisite(s): SCI ED 1100. (Odd Springs)

EARTHSCI 4150/5150. Astrophysics — 3 hrs.
Examination of astrophysical concepts and principles for a range of topics, including processes that influence stars, galaxies and the universe. Prerequisite(s): PHYSICS 1701, PHYSICS 1702, MATH 1420, MATH 1421, Junior Standing. (Even Springs)

EARTHSCI 4400. Undergraduate Research in Earth and Environmental Science — 1-3 hrs.
Research activities under direct supervision of Earth and Environmental Science faculty member. Credit to be determined at registration. May be repeated for maximum of 6 hours. Prerequisite(s): consent of instructor and department head. (Fall, Spring, Summer)

EARTHSCI 6297. Practicum.
(Variable)

EARTHSCI 6299. Research.
Prerequisite(s): consent of department. (Variable)

Economics Courses (ECON)

Courses

ECON 1001. Economics of Social Issues — 3 hrs.
Explains basic economic theories and establishes connections between these theories and current social issues. Discusses policies that have been constructed or proposed to address these issues, including but not limited to labor market discrimination, immigration, and environmental externalities, through both conservative and liberal perspectives. Analyzes the problems of income inequality and poverty through the multiple political philosophies of utilitarianism, liberalism, and libertarianism. Students will reflect on their personal values in the context of contemporary social issues. (Fall and Spring)

ECON 1011. Statistics for Business Analytics — 3 hrs.
Application and interpretation of probability and statistics as applied to business problems. Descriptive statistics, hypothesis testing, linear regression, and correlation. May not be used for credit on the Economics major or minor or the Social Science major or minor. Prerequisite(s): STAT 1772 or equivalent. (Fall and Spring)

ECON 1031. Introduction to Business Economics — 3 hrs.
A survey of how markets and the economy as a whole function, with emphasis on decision making by businesses and economic literacy. Topics include markets for goods, services, and inputs; cost of production; and the measurements and determinants of national income, unemployment, and inflation. No credit for students who have credit or are concurrently enrolled in ECON 1041 or ECON 1051. May not be used for credit on Economics major or minor. (Fall and Spring)

ECON 1041. Principles of Macroeconomics — 3 hrs.
Introduction to the economizing problem and economic institutions. National income determination, monetary and fiscal policy, and global economic issues. (Fall and Spring)

ECON 1051. Principles of Microeconomics — 3 hrs.
Study of how consumers make decisions, firms maximize profits, and various market structures affect prices and output. Topics include supply and demand, elasticity, consumer and producer welfare, firm production and costs, and market structures. Prerequisite(s): C- or better in ECON 1041 or consent of department head. (Fall and Spring)

ECON 2090. Decision Analytics — 3 hrs.
Quantitative and qualitative aspects of problem solving and decision making. Structuring and basics of decision making, applications of probability, functional relationships, marginal analysis, and linear

programming. Emphasis on model formulation and interpretation of results. May not be used for credit on the Economics major or minor or the Social Science major or minor. Prerequisite(s): STAT 1772 or equivalent; MGMT 2080 (can be taken as a corequisite) or PHYSICS 1701. (Fall and Spring)

ECON 2112. Intermediate Microeconomic Theory — 3 hrs.
In-depth analysis of consumer theory, firm production and costs, and market structures, with a primary focus on how individuals and firms make choices. Prerequisite(s): ECON 1041; ECON 1051. (Fall)

ECON 2122. Intermediate Macroeconomic Theory — 3 hrs.
Intermediate level macroeconomics. Determinants of aggregate demand, national product and employment; and macroeconomics objectives and policies. Prerequisite(s): ECON 1041; ECON 1051. (Spring)

ECON 2132. Money and Banking — 3 hrs.
Money, commercial banking, the Federal Reserve System, and monetary policy. Prerequisite(s): ECON 1041; ECON 1051. (Fall and Spring)

ECON 2140. Health Economics — 3 hrs.
Health Economics: The application of economic principles to the delivery, costs, pricing, and financing of health care services and products. Emphasis is on the health care industry, consumer choices, and government policy. Prerequisite(s): ECON 1031 or ECON 1041 or ECON 1051. (Variable)

ECON 3125. Economics of Sustainability — 3 hrs.
Economics of Sustainability Why do some businesses pursue sustainability initiatives while others do not? What does economic theory tell us about preservation versus use of natural resources? This course will explore such questions by evaluating the business, social, and policy implications of sustainability when viewed through both an economic and interdisciplinary perspective. Prerequisite(s): ECON 1031 or ECON 1041 or ECON 1051 or consent of instructor; junior standing. (Odd Falls)

ECON 3179. Cooperative Education in Economics — 1-6 hrs.
Compensated work experience in conjunction with an academic project conducted under faculty guidance. University elective credit is given on a graded basis. Prerequisite(s): ECON 2122; ECON 2112; cumulative UNI GPA of 3.00 or higher required prior to application; consent of department head. (Fall, Spring, Summer)

ECON 3217/5217. Economics of Labor Markets — 3 hrs.
An investigation into the market forces affecting the supply of and demand for labor and the determination of wages in the U.S. Discussion topics may include income maintenance programs, health and safety in industry, income inequality, human capital formation and/or labor mobility. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Variable)

ECON 3221/5221. Public Finance — 3 hrs.
Taxation and government expenditures; fiscal policy. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Variable)

ECON 3224/5224. International Trade and Financial Economics — 3 hrs.
Covers concepts in International Economics as well as international financial economics. Topics in International Economics will include international trade theory, trade strategies, economic unions, and factor movements. Topics in international financial economics will include international financial theories and analysis of balance of payments, alternative exchange rate regimes, and capital movements. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Variable)

ECON 3225/5225. Environmental Economics — 3 hrs.
Achieving allocative efficiency and cost-effectiveness when setting environmental policy. Modeling environmental quality as a public good and pollution as an economic problem. Assessing the command-and-control approach versus the market approach to environmental problem solving and policy. Exploring historical and current policies on air quality, water quality, solid waste/toxic substance management, and/or global environmental management. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Even Falls)

ECON 3229/5229. Cost-Benefit Analysis — 3 hrs.
Impact of public projects on resource allocation and social well being. Meaning and interpretation of Net Present Value (NPV). Problems encountered in quantifying various components of NPV and merits of alternative solutions. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Variable)

ECON 3231/5231. Law and Economics — 3 hrs.
Analysis of the influence of legal rules and institutions on the economic behaviors of individuals. Examination of the principles of economics as they relate to private and public law, with special emphasis on economic efficiency and equity. Applications from civil procedure, criminal, contract, and tort law. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Variable)

ECON 3237/5237. Sports Economics — 3 hrs.
Uses microeconomic principles with simple game theory and probability/statistical tools to investigate the organization of professional sports leagues, player pay, competitive balance, demand for games, public financing of sports, and other issues. Prerequisite(s): ECON 1041; ECON 1051; or consent of instructor; junior standing. (Variable)

ECON 3241/5241. The Organization of American Industry — 3 hrs.
Structure, conduct, and performance of firms, industries, and market. Policies to maintain competition. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Variable)

ECON 3249/5249. Economic Development — 3 hrs.
Characteristics of developing nations, causes of underdevelopment, development theories, and development strategies. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Variable)

ECON 3253/5253. Urban and Regional Economics — 3 hrs.
Theory of location and regional development; factors influencing growth and location of production, location of households, city location and urban hierarchies, and land use patterns; measures and change in regional economic activity; and public policy issues in regional and urban evolution. Research methods including economic base, employment multiplier, location quotient, and threshold analyses. Prerequisite(s): ECON 1041 and ECON 1051, or consent of instructor; junior standing. (Variable)

ECON 3257/5257. History of Economic Thought — 3 hrs.
Development of economic theory from early Greeks to John Maynard Keynes. Special emphasis given to Adam Smith, Karl Marx, and Thorstein Veblen. Prerequisite(s): ECON 1041; ECON 1051; junior standing. (Variable)

ECON 3269/5269. Mathematical Economics — 3 hrs.
Application of mathematics to economics with an emphasis on matrices and introductory calculus. Prerequisite(s): ECON 1041 and ECON 1051, or consent of instructor; junior standing. (Variable)

ECON 3371. Economic and Business Forecasting — 3 hrs.
Economic and Business Forecasting: The formulation of forecasts using statistical methods and software for time series data. Emphasis on forecasting economic variables such as employment, prices, and production; and business variables such as sales and inventories. Prerequisite(s): STAT 1772, ECON 1031 or ECON 1041 or ECON 1051, or consent of instructor; junior standing. (Spring)

ECON 3373/5373. Introduction to Econometrics — 3 hrs.
Econometric techniques and the development of statistical techniques unique to economics; econometric relationships derived in single and multivariate linear and non-linear regression analysis; use of statistical inference in econometric investigation with applications to classical works of economic topics. Prerequisite(s): STAT 1772; ECON 1041 and ECON 1051, or consent of instructor; junior standing. (Fall)

ECON 4380/5380. Directed Research in Economics — 3 hrs.
Students demonstrate their grasp of economic theory and their writing abilities. Prerequisite(s): ECON 1041; ECON 1051; ECON 2112; ECON 2122; senior standing; Economics major. (Variable)

ECON 6285. Individual Readings — 1-3 hrs.
Prerequisite(s): consent of MBA Director and department head. (Fall, Spring, Summer)

ECON 6299. Research — 1-6 hrs.
Prerequisite(s): consent of MBA Director and department head. (Fall, Spring, Summer)

ECON 6520. Managerial Economics — 3 hrs.
Application of economic theory and methods to business and administrative decision making. Prerequisite(s): ECON 1031 or equivalent; consent of MBA Director. (Variable)

Education, Interdepartmental Courses (INTDEPED)

Courses

INTDEPED 7301. Major Thinkers in Education over the Last 3,000 Years — 3 hrs.
An investigation of main ideas and perspectives from foundational scholars across fields of philosophy, sociology, history, and psychology who are perceived to have made major contributions in the field of education. Prerequisite(s): doctoral status or consent of college. (Variable)

INTDEPED 7303. Foundations of Inquiry — 3 hrs.
Introduction to the intellectual foundations of educational and social inquiry. Includes the history and major positions of philosophy as well as their application to the practice of inquiry. Includes attention to the theory and practice of scholarship through critical reading and academic writing. Prerequisite(s): doctoral status or consent of college. (Variable)

INTDEPED 7314. Qualitative Research Design for Practice — 3 hrs.
This course focuses on qualitative research designs. Various qualitative methodologies will be used related to identifying, understanding, and solving complex problems of practice. The course will focus on developing conceptual understandings of a problem, ethics of inquiry and practice, and design of an inquiry plan from a qualitative perspective. Students will complete collection, analysis, and synthesis of data for problems of practice, including reporting results and use of data in practice and for broader dissemination. Prerequisite(s): MEASRES 6205 or KAHHS 6290 or equivalent, and a substantial introductory statistics course (MEASRES 4180 or KAHHS 6210 or equivalent); INTDEPED 7326; Admission to the Ed.D. program. (Variable)

INTDEPED 7316. Quantitative Research Design for Practice — 3 hrs.
This course focuses on quantitative research designs. Various quantitative methodologies are used for identifying, understanding, and solving complex problems of practice. The course will focus on developing conceptual understandings of a problem, ethics of inquiry and practice, and design of an inquiry plan from a quantitative perspective. Students will complete collection, analysis, and synthesis of data for problems of practice, including reporting results and use of data in practice and for broader dissemination. Prerequisite(s): MEASRES 6205 or KAHHS 6290 or equivalent, and a substantial introductory statistics course (MEASRES 4180 or KAHHS 6210 or equivalent); INTDEPED 7326; Admission to the Ed.D. program. (Variable)

INTDEPED 7318. Evidence-Based Practices, Assessment, Accountability, and Program Evaluation — 3 hrs.
In today's world of professional practice, simply running a program is not good enough. Modern practice must use assessment and evaluation results. This course provides needed tools. Provides multiple theoretical perspectives as well as hands-on practice. Prerequisite(s): admission to Ed.D. program; INTDEPED 7303. (Variable)

INTDEPED 7320. Leadership in Formal and Informal Learning Environments — 3 hrs.
This course examines leadership, theory, and practice in formal and informal learning environments and promotes comprehensive application strategies to such settings as schools, human services, and leisure, tourism, and environmental organizations. Prerequisite(s): admission to Ed.D. program; INTDEPED 7303. (Variable)

INTDEPED 7322. Organizational and Community Transformation — 3 hrs.
Exploration of transformational processes and the forces that shape change in communities and organizations on a macro, meso, and micro scale within the context of promoting and responding to social, cultural, political, economic, and environmental change including institutions and agencies. Prerequisite(s): admission to Ed.D. program; INTDEPED 7303. (Variable)

INTDEPED 7324. Critical Analysis of Social and Cultural Contexts in Education — 3 hrs.
Explores historic and contemporary social, legal, and cultural movements in education and professional practice from sociological and critical perspectives. Indepth focus on philosophy, science, attitudes, belief patterns, and practices related to social and cultural diversity. Prerequisite(s): Doctoral status or consent of college, INTDEPED 7303 (Variable)

INTDEPED 7326. Integrating Theory with Practice — 3 hrs.
This course is designed to prepare entry-level doctoral students in the Ed.D. program for examining complex theoretical frameworks and how theory relates to practice. Students will be exposed to numerous theories from a variety of content areas, faculty research endeavors, and strategies for linking current research trends to their current practice. Prerequisite(s): admission to the Ed.D. program. (Fall and Spring)

INTDEPED 7389. Doctoral Seminar — 3 hrs.
This course supports Ed.D. students in examining the facets of the doctoral degree, setting scholarly agendas, and developing publication skills. More specifically, the course will focus on doctoral core and

intensive study area requirements, advisor selection, dissertation committee selection, and general and specific expectations for the completion of the Ed.D Graded. Prerequisite(s): INTDEPED 7314, INTDEPED 7316, Doctoral status or consent of college. (Variable)

INTDEPED 7399. Dissertation Research.
Credit/no credit only. Initial enrollment requires attendance at doctoral research seminar. (Variable)

Educational Leadership Courses (EDLEAD)

Courses

EDLEAD 4198. Independent Study — 1-6 hrs.
(Variable)

EDLEAD 4319. Political and Ethical Issues in Education — 3 hrs.
Students will become familiar with issues of power, politics and ethics in education systems. The course will examine ways in which individuals in leadership positions use power and political skills to influence the effectiveness of educational systems and the ethical challenges that arise from such efforts. Prerequisite(s): consent of instructor. (Variable)

EDLEAD 6206. Orientation to Educational Leadership Standards — 2 hrs.
Orientation to the study and practice of school leadership, Iowa Educational Leadership Standards, current and historical trends impacting school and the principalship, and philosophical perspectives impacting school leadership. Corequisite(s): EDLEAD 6247. (Fall)

EDLEAD 6212. Teacher Leadership in International Schools — 3 hrs.
An in-depth look at the knowledge and skills necessary to be teacher leaders in international school settings. Prerequisite(s): Admission to the M.A. Major in Teacher Leadership for International Educators. (Variable)

EDLEAD 6225. Activities Administration — 2 hrs.
The study and in-school application of current research and promising practices related to the administration of PK-12 school activities programs, including athletics, fine arts, clubs, etc. and their role in school's overall programming and mission. Prerequisite(s): EDLEAD 6206; EDLEAD 6247; or consent of instructor. (Variable)

EDLEAD 6232. School Governance, Law and Intersystems Relations — 3 hrs.
Development of knowledge of the many aspects of local, regional, state, and federal governance of public schools, legal issues, school funding, respect for people's rights, and competence in managing school risk to avoid legal liability. Prerequisite(s): EDLEAD 6206; EDLEAD 6245. (Variable)

EDLEAD 6235. Community Connections — 2 hrs.
Exploration and in-school/community application of current research on promising practices and strategies that support parental and community engagement in the school's mission and the principal's role in facilitating stakeholder engagement. Prerequisite(s): EDLEAD 6206; EDLEAD 6247; or consent of instructor. (Variable)

EDLEAD 6240. Technology for School Leaders — 2 hrs.
Course explores current promising practice in technology use for building school leaders. Prerequisite(s): admitted to the M.A. Major in Teacher Leadership for International Educators. (Variable)

EDLEAD 6245. Leadership for Effective Schools — 3 hrs.
Study of contemporary leadership, change, and staff development in school organizations. (Variable)

EDLEAD 6247. School Management for Student Learning — 3 hrs.
Examination of key administrative management concepts and techniques employed by effective school principals to support student learning and achievement. Corequisite(s): EDLEAD 6206. (Variable)

EDLEAD 6248. Leading Instruction in Schools — 3 hrs.
Intensive study of the knowledge and skills needed by teacher leaders to support Professional Learning Communities, effectively use technology, develop teacher leadership, and embrace the role of the instructional leader. (Variable)

EDLEAD 6249. Leading Learning, Teaching, and Curriculum — 3 hrs.
(Tailored for teacher leaders in American international schools) Extensive study in the knowledge and skills needed by teacher leaders to help lead the development and delivery of curriculum, assessment and instruction focused on student achievement. (Variable)

EDLEAD 6251. Supporting Instruction in the Classroom — 3 hrs.
Supporting Instruction in the Classroom - will address the theoretical and practical models for instructional coaching and the tools to support teachers (and the coaches themselves) while using school data to inform instruction. Students will master content regarding Student-Centered Coaching developed by Diane Sweeney, learn and apply principles of Instructional Rounds in Education by City, Elmore, Fairman, and Lee, and attain knowledge and strategies for Building Teachers' Capacity for Success by Hall and Simeral. Students will have opportunities to reflect on current practices, identify, develop and implement coaching strategies that best fit their personal situations, and collaborate with other instructional coaches through various forms of social media. Prerequisite(s): EDLEAD 6248. (Fall and Spring)

EDLEAD 6252. Coaching Teachers — 3 hrs.
This graduate credit course is designed to apply educational research and leadership principles in a shared leadership environment. Those interested in, or currently engaged in, teacher leadership roles in their buildings and/or districts will find this course to be practical and applicable. Prerequisite(s): EDLEAD 6248, EDLEAD 6251. (Fall and Spring)

EDLEAD 6260. Power, Politics & Ethics for International Educators — 3 hrs.
The study of power, politics and ethics identifies the critical roles of educators and the network of individuals, agencies, and organizations that impact an education system. This course will develop an understanding of how to use power and political skills in ethical ways to create opportunities to improve student performance, administrative, faculty, staff, and organizational effectiveness; with a specific focus in international school settings. Prerequisite(s): declared M.A. Teacher Leadership for International Educators major. (Fall and Spring)

EDLEAD 6282. Leading School Growth and Improvement — 2 hrs.
Study of the teacher leader's role in leading school growth and improvement and the change process. (Variable)

EDLEAD 6284. Evaluator Approval for Improved Student Learning — 3 hrs.
Development of knowledge of various problems and procedures in the organization of elementary and secondary school professional

growth. Special emphasis on supervision processes and identifying and analyzing effective teaching and performance behaviors. (Variable)

EDLEAD 6285. Readings in Educational Leadership.
Prerequisite(s): written consent of instructor. (Variable)

EDLEAD 6289. Seminar in Educational Leadership.
Seminars offered on special topics as indicated in the Schedule of Classes. (Variable)

EDLEAD 6291. Internship — 1 hr.
Advanced supervised experience to further develop skills in Teacher Leader Model Standards. Offered on credit/no credit basis only. May be repeated for maximum of 2 hours. (Variable)

EDLEAD 6292. Capstone to Educational Leadership — 1 hr.
Final work project that demonstrates application and synthesizes the educational standards adopted by the state of Iowa. Prerequisite(s): EDLEAD 6206; EDLEAD 6247; or consent of instructor. (Variable)

EDLEAD 6299. Research.
Prerequisite(s): consent of department. (Variable)

EDLEAD 7310. Human Resource Administration — 3 hrs.
Teacher selection and placement, promotion, tenure, collective bargaining and retirement; administration of pupil personnel facilitating services. (Variable)

EDLEAD 7311. Educational Leadership and Systems Change — 3 hrs.
Examination of knowledge base for both change and leadership. Emphasis on understanding how change factors and leadership styles interact to influence receptiveness to and acceptance of change. Prerequisite(s): doctoral status or admittance into the Advanced Studies Certificate (ASC)- Superintendency program (Same as POSTSEC 7311) (Variable)

EDLEAD 7315. Leading Teaching, Learning and Assessment — 3 hrs.
Focus on what boards of education need to know and be able to do; and the leadership role of the board/superintendent team for improving student achievement by sharing culture and conditions within the school district that contribute to productive change. Prerequisite(s): students must be enrolled in the superintendency preparation program cohort or doctoral program in educational leadership or have permission of instructor. (Variable)

EDLEAD 7318. Evaluation of Administrators — 2 hrs.
Provides superintendents and other educational leaders with knowledge and skills necessary in the supervision and evaluation process in K-12 schools. The Iowa Professional Development Model serves as a foundation for this course. Prerequisite(s): students must be enrolled in the superintendency preparation program cohort or the doctoral program. The instructor may grant special permission to graduate students outside educational leadership. (Variable)

EDLEAD 7319. Power, Politics, and Ethics in School District Leadership — 3 hrs.
Identifies critical roles of teacher leaders and network of individuals/agencies/organizations that impact education system. Develops understanding of how to identify community's power structure and use power/political skills in ethical ways to improve student achievement. Prerequisite(s): Consent of program coordinator. (Variable)

EDLEAD 7340. Funding the Educational Program for Improved Student Achievement — 3 hrs.
Focus on how public schools in U.S. are funded, with special attention to funding public schools in Iowa. Major emphasis on funding and allocation of resources for the improvement of student achievement. (Variable)

EDLEAD 7346. School Business Management — 3 hrs.
Develops the rationale for the function of school business administration. Assists school administrators in managing business affairs and auxiliary services of the school district. Prerequisite(s): EDLEAD 7340; master's degree in Educational Leadership or the Principalship certification. (Variable)

EDLEAD 7385. Readings in Educational Leadership.
Individualized list of selected readings in an area of emphasis, as determined by instructor and student. May be repeated. Prerequisite(s): written consent of instructor. (Variable)

EDLEAD 7389. Seminar in Educational Leadership.
Offered on special topics as determined and scheduled by the department. May be repeated. Limited to post-master's students. (Variable)

EDLEAD 7391. Internship in Educational Leadership — 1-9 hrs.
Advanced supervised experience to further develop skills. May be repeated. Offered on credit/no credit basis only. Prerequisite(s): consent of advisor. (Variable)

EDLEAD 7397. Practicum in Educational Leadership — 2-4 hrs.
May be repeated. Offered on credit/no credit basis only. Limited to post-master's students. Prerequisite(s): consent of advisor. (Fall and Spring)

Educational Psychology Courses (EDPSYCH)

Courses

EDPSYCH 2030. Dynamics of Human Development — 3 hrs.
Students in this course will examine the social contexts of human development (0-18 years of age) and the theoretical and historical perspectives that inform our understanding of development.
In particular cross-cultural lenses will be used to uncover the cultural nature of development. Implications of these perspectives for supporting the development of individuals across multiple domains (e.g., physical, cognitive, psychosocial) will be discussed. Examination of diverse viewpoints, theories, and methods of inquiry provide an avenue for students to develop skills in critical thinking and analysis and communicate their findings both orally and in writing. (Fall, Spring, Summer)

EDPSYCH 3109. Development and Assessment of Young Children — 3 hrs.
In-depth study of children's development and its assessment from birth through grade three. Emphasis on examining developmental differences among individual children and implications for developmentally and individually appropriate classroom practice. Prerequisite(s): EDPSYCH 2030 or equivalent or consent of instructor. (Fall, Spring, Summer)

EDPSYCH 3148. Learning and Motivation in Classroom Contexts — 3 hrs.
Examination of the influence of cognitive, motivational, and socio-cultural factors on students' learning in classroom contexts, with an emphasis on implications for classroom instruction and improved student achievement. Prerequisite(s): TEACHING 2017; EDPSYCH 2030; or equivalents. Registration requires full admission to the Teacher Education Program. Must have a cumulative 2.50 or higher to enroll in this course. (Fall, Spring, Summer)

EDPSYCH 4116/5116. Psychology of Adolescence — 2 hrs.
Psychological concepts applied to adolescent intellectual, physical, and psychosocial behaviors; designed to improve understanding of, and relationships with, adolescents and their search for identity. Prerequisite(s): EDPSYCH 2030 or equivalent; junior standing. (Variable)

EDPSYCH 4118/5118. Mental Health and Well-Being in the Classroom — 3 hrs.
Basic principles of mental health as they apply to the entirety of the educative enterprise. Focus on causative factors relating to the mental health of teachers and students, and ways of arranging classroom environments which maximize learning and minimize threat and self devaluation. Prerequisite(s): EDPSYCH 2030 or equivalent; junior standing. (Variable)

EDPSYCH 4140/5140. Social Psychology in Educational Contexts — 3 hrs.
Students in this course learn to apply social psychological perspectives when interpreting educational situations and events. Through reading and discussion students map the influence of self-definition, motivation, relationships, and familial, school, and neighborhood contexts to educational outcomes. Students evaluate interventions based on social psychological principles and consider their role in educational and social transformation. Prerequisite(s): junior standing. (Variable)

EDPSYCH 4151/5151. Approaches to Classroom Management for Secondary Students — 3 hrs.
Strategies and processes designed to create and maintain classroom management intended to nurture the atmosphere leading to increased academic achievement and personal development of adolescent students. Prerequisite(s): EDPSYCH 2030; EDPSYCH 3148; or equivalents; junior standing. (Variable)

EDPSYCH 4152/5152. Development of the Middle School Aged Child — 3 hrs.
Focus on the cognitive, physical, social and emotional development of the middle school aged child (ages 11 to 15). Examination of the contexts of the middle school child including the home, school, and peers. Prerequisite(s): junior standing. (Variable)

EDPSYCH 4157/5157. Interpersonal Forgiveness — 3 hrs.
This course consists of a psychological and philosophical examination of forgiveness and will focus primarily on interpersonal forgiveness, the gift an injured person gives to the one who hurt him or her. Topics include what forgiveness is and is not, forgiveness in philosophy, the process of forgiveness, applications and benefits of forgiveness, forgiveness in education, and forgiveness and bullying. Students will also read about self-forgiveness, group and cultural perspectives of forgiveness and community and national issues related to forgiveness. By the end of the course, students will have gained a greater understanding and knowledge of the psychology of interpersonal forgiveness. The course will also help students improve their writing and critical thinking skills. Prerequisite(s): junior standing. (Fall or Spring)

EDPSYCH 4176/5176. Learning and Behavioral Problems in Education — 3 hrs.
Learning and behavior problems of students with focus on issues of identification, etiology, assessment, developmental changes, and intervention including consideration of personal, social, cultural, historical, and economic contexts. Prerequisite(s): junior standing. (Variable)

EDPSYCH 4180/5180. Community Service: Academic Skills Achievement Center — 2-4 hrs.
Tutorial experience in multicultural school setting. Collateral seminar for sharing personal insights and discussion of core readings on cultural pluralism. May be repeated once for credit. Prerequisite(s): junior standing or consent of department head. (Fall and Spring)

EDPSYCH 4188/5188. Current Approaches to Multicultural Education — 3 hrs.
Comparison of alternative models of multicultural education and study of their application in school settings. Prerequisite(s): junior standing. (Spring)

EDPSYCH 4198. Independent Study — 1-6 hrs.
(Variable)

EDPSYCH 4232/5232. Risk and Resilience: Child, Family, School and Community Factors — 3 hrs.
Examination of children's cognitive and psychosocial development within family, school and community contexts, socio-historical factors which impact children, families, schools and communities, and implications for elementary school curricula and pedagogy. Prerequisite(s): junior standing. (Variable)

EDPSYCH 6214. Foundations of Instructional Psychology — 3 hrs.
Study of factors involved in designing and implementing effective instructional environments. (Fall, Spring, Summer)

EDPSYCH 6215. Advances in Educational Psychology: The Science of Learning — 3 hrs.
This course examines what current research in psychological science has to say about the learning process, individual differences, and its implications for instruction. We begin by examining the construct of talent/ability and the development of skill/expertise. Next, we examine domain-general learning strategies (e.g., retrieval practice) and how they support the learning process. Finally, we take a closer look at the development of mathematical and reading proficiency/difficulties - as detailed domain specific "snapshots" of the transition from novice to expert. A major goal of this course will be to consider how insight gained from this research can be applied to help shape our understanding and design of effective educational practices and interventions for students. (Fall or Spring)

EDPSYCH 6216. Advances in Educational Psychology: The Psychology of Literacy — 3 hrs.
This course examines what current research in psychological science has to say about the learning process, individual differences, and its implications for literacy instruction. Specifically, we take a closer look at the development of reading and writing proficiency/difficulties, how this understanding may inform approaches to literacy instruction and highlight some of the differences in perspectives that currently exist among educators. (Variable)

EDPSYCH 6224. Adult Development and Learning — 3 hrs.
Overview of individual development from young adulthood through middle adulthood. Emphasis is breadth and range of individual growth and development during the adult years. Focus on psychological issues associated with social, emotional, and cognitive development, and adult learning and teaching. (Variable)

EDPSYCH 6235. Theories of Human Development — 3 hrs.
Major theories of human development (e.g., psychoanalytic, cognitive, developmental, humanistic, and social learning theory). Includes study of noted theorists in each area and educational implications

and applications of their work. Prerequisite(s): EDPSYCH 3109 or EDPSYCH 4116/5116. (Variable)

EDPSYCH 6240. Introduction to School Psychology — 3 hrs.
Psychological services in schools; roles and functions of school psychologists; review of professional, legal and ethical standards and implications for practice. Prerequisite(s): Admission to the MAE in Educational Psychology with Context and Techniques of Assessment Emphasis (School Psychology program). (Fall)

EDPSYCH 6260. Counseling Interventions in School — 3 hrs.
This course provides specialized knowledge and skills training in counseling children and adolescents. Students will learn to assess behavior and incorporate developmental, cultural, legal, and gender appropriate strategies and techniques to meet the needs of counseling children and adolescents in a school context. Students will examine various theoretical, behavioral, and play therapy techniques for counseling children and adolescents. Prerequisite(s): Admission to the Ed.S. program in School Psychology or instructor permission. (Spring)

EDPSYCH 6270. Behavioral Interventions in School Settings — 3 hrs.
Overview of evidence-based interventions to address the social, emotional, and behavioral needs of students; using assessment data to develop student goals and monitor student progress; supervised practice developing, implementing, and monitoring interventions in the schools. Prerequisite(s): Admission to the Ed.S. program in School Psychology or instructor permission. (Fall)

EDPSYCH 6272. Systems Consultation — 3 hrs.
Examination of the multiple systems involved in PK-12 education, the organizational change process, and the context of current educational practice and reform. Application of these concepts to various systems level issues. Prerequisite(s): Admission to the Ed.S. program in School Psychology or instructor permission. (Spring)

EDPSYCH 6280. Psychological Consultation in Schools — 3 hrs.
Overview of major theoretical models of consultation (including systems level consultation), an in-depth opportunity to develop behavioral consultation and intervention skills through an authentic referral, and an emphasis on professional accountability through monitoring the effects of intervention. Prerequisite(s): Admission to the MAE in Educational Psychology with Context and Techniques of Assessment Emphasis (School Psychology program). (Spring)

EDPSYCH 6285. Readings.
(Variable)

EDPSYCH 6288. M.A.E. Practicum in Education and Psychology — 1-3 hrs.
Practicum placement for first year graduate school psychology students. Placements coordinated with instructor of record. Class meetings and assignments required. May be repeated. Prerequisite(s): Admission to the MAE in Educational Psychology with Context and Techniques of Assessment Emphasis or instructor permission. (Fall and Spring)

EDPSYCH 6289. Seminar in Education and Psychology — 1-6 hrs.
May be repeated for credit. Prerequisite(s): consent of instructor. (Variable)

EDPSYCH 6290. Ed.S. Practicum in Education and Psychology — 1-6 hrs.
Practicum placement for second year graduate school psychology students. Placements coordinated with instructor of record. Class meetings and assignments required. May be repeated. Prerequisite(s): Admission to the Ed.S. program in School Psychology. (Fall and Spring)

EDPSYCH 6291. Internship in School Psychology — 1-6 hrs.
Supervised off-campus field experience. May be repeated for maximum 6 hours. (Fall and Spring)

EDPSYCH 6299. Research.
Prerequisite(s): consent of department. (Fall and Spring)

Elementary, Early Childhood and Middle Level Education Courses (ELEMECML)

Courses

ELEMECML 3100/5100. Integrating Science, Technology, Engineering, and Mathematics in the Elementary Classroom — 3 hrs.
Focuses on integrating science, technology, engineering principles, and mathematics using both modeling and an inquiry approach. Engineering and scientific practices drive both the instructional planning, and inquiry-oriented curricula and assessment. The practice of engineering, along with the difference between science and engineering is addressed. Prerequisite(s): two courses from SCI ED 1200, SCI ED 1300, and SCI ED 1100 OR approval of the instructor; junior standing. (Even Falls)

ELEMECML 3120. Classroom Management K-8 — 3 hrs.
Focus on skills needed to organize and manage appropriate instruction in the elementary classroom. Prerequisite(s): ELEMECML 4150; junior standing. Registration requires full admission to the Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

ELEMECML 3149/5149. Child, Family, School and Community Relationships — 3 hrs.
Procedures for developing home-community-school relationships to promote the education of each child in reaching her/his maximum potential. Emphasis on preschool-kindergarten level. Prerequisite(s): Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course; junior standing. (Fall and Spring)

ELEMECML 3159. Integrating STEM in Elementary Classrooms — 3 hrs.
Integrating STEM in Elementary Classrooms

ELEMECML 3161. Teaching Elementary School Science — 3 hrs.
Investigation of current textbook series, trends, teaching materials, and appropriate instructional strategies for contemporary elementary school science programs. Prerequisite(s): ELEMECML 4150 or ELEMECML 4151/5151; junior standing. Registration requires full admission to the Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

ELEMECML 3164. Teaching Elementary School Social Studies — 3 hrs.
Basic methods and materials for teaching the knowledge, skills, attitudes and values in history, geography, political science/civic literacy, economics and behavioral sciences. Prerequisite(s): ELEMECML 4150 or ELEMECML 4151/5151; junior standing. Registration requires full admission to the Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

ELEMECML 4121/5121. Infant and Toddler Curriculum and Guidance — 2 hrs.
Methods of implementing appropriate curriculum for and guidance of very young children, including children with diverse needs in inclusive group settings. Includes a required 15 hours field experience. Prerequisite(s) or corequisite(s): EDPSYCH 3109; EDPSYCH 3148; TEACHING 3128; junior standing. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

ELEMECML 4123/5123. Methods of Teaching Visual and Performing Arts Integration in the Elementary Classroom — 3 hrs.
Introduction, exploration and application of various methods for teaching and assessing visual and performing arts integration with content across the elementary curriculum. Prerequisite(s): junior standing. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

ELEMECML 4124/5124. Infant Toddler Curriculum and Early Intervention — 3 hrs.
Methods of implementing appropriate curriculum for and guidance of very young children, including children with diverse needs in natural settings. Interagency collaboration and services to support and coach families of infants and/or toddlers with developmental delays or disabilities. Prerequisite(s): SPED 3150; EDPSYCH 3109; EDPSYCH 3148; TEACHING 3128; junior standing. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Prerequisites are waived for students from the Department of Communication Sciences and Disorders. Corequisite(s): SPED 4192/5192 Experience in Special Education: Birth-3. [Same as SPED 4124/5124] (Fall and Spring)

ELEMECML 4130/5130. Guidance and Instruction in Early Childhood Education — 3 hrs.
Discussion of the role of the teacher in guiding young children in their learning activities. Emphasis on planning and implementing inclusive early childhood programs. Prerequisite(s): must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course; junior standing. Corequisite(s): ELEMECML 4192/5192 for Early Childhood majors and minors. ELEMECML 4192/5192; SPED 4141/5141; SPED 4192/5192 for Early Childhood Special Education minors. Prerequisite(s) or corequisite(s): ELEMECML 4151/5151. (Fall and Spring)

ELEMECML 4135/5135. Middle Level Instruction, Differentiation, and Assessment — 3 hrs.
Strategies for instruction, differentiation, and assessment for addressing the cognitive characteristics and needs of young adolescents in grades five through eight. Prerequisite(s): EDPSYCH 3148; EDPSYCH 4152/5152; junior standing. Prerequisite(s) or corequisite(s): ELEMECML 4152/5152 or equivalent. Registration requires full admission to the Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

ELEMECML 4141/5141. Integrated Activities in Elementary School STEM — 3 hrs.
Pedagogy that facilitates the development of cross-cutting concepts and habits of inquiry within STEM (science, technology, engineering, and mathematics) through authentic, meaningful, and integrative investigations in elementary classrooms. Prerequisite(s): for undergraduate students: junior standing. Prerequisites for graduate students: admission to the Elementary Education Master's Program (MAE) or consent of instructor. (Spring)

ELEMECML 4142/5142. Sustainability Applications in Elementary STEM — 3 hrs.
Resources, content background, materials, and methods in elementary STEM (Science, Technology, Engineering, and Mathematics) with emphasis on sustainability applications. Special attention to integrating theory and practice with techniques, materials, and equipment. Stresses interrelations between the various sciences and application of skill subjects. Prerequisite(s): junior standing. (Variable)

ELEMECML 4143/5143. Applications/Content in Elementary Social Studies — 3 hrs.
Applying knowledge of current trends, resources, and content as a means of developing, enriching, and expanding the social studies curriculum. Prerequisite(s): ELEMECML 3164; junior standing. Registration requires full admission to the Teacher Education Program. (Fall)

ELEMECML 4150. Elementary Curriculum — 3 hrs.
Recent trends in the curriculum for children in grades K-6. Prerequisite(s): completion of Level I of the Professional Education Requirements - Elementary Education. Prerequisite(s) or corequisite(s): Level II of the Professional Education Requirements. Registration requires full admission to the Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

ELEMECML 4151/5151. Early Childhood Curriculum Development and Organization — 3 hrs.
Current trends in curriculum for preschool and primary children. Includes a 5 hour field experience. Prerequisite(s): EDPSYCH 3109; must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course; junior standing. Prerequisite(s) or corequisite(s): EDPSYCH 3148; TEACHING 3128. (Fall and Spring)

ELEMECML 4152/5152. Middle Level Curriculum — 2 hrs.
Examination of middle school design, programs, and practices for meeting the needs of young adolescents in grades 5-8, including middle school philosophy, history, interdisciplinary instruction and teaming, core curriculum, exploratory courses, and advisory programs. Students must be available for a Tuesday field experience. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): Level II of the Professional Education Requirements. Registration requires full admission to the Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Students must be available for a 10-hour field experience. (Fall and Spring)

ELEMECML 4154/5154. The Gifted and Talented — 3 hrs.
Educational needs of gifted and talented children and youth. Emphasis on characteristics, identification/assessment, special populations, counseling, parenting, and program intervention. Prerequisite(s): full admission to teacher education; junior standing. (Variable)

ELEMECML 4156/5156. Educational Strategies for Gifted and Talented — 3 hrs.
Current trends in educational programming for the gifted and talented. Prescription, implementation, and evaluation of differentiated curriculum/educational strategies used in the comprehensive program. Prerequisite(s): ELEMECML 4154/5154 or consent of instructor; junior standing. (Variable)

ELEMECML 4157/5157. Coordinating Programs for the Gifted and Talented — 3 hrs.
Methods/procedures for coordinating/directing school district PK-12 programs for the gifted and talented. Emphasis on program planning, management, supervision, and evaluation. Prerequisite(s):

ELEMECML 4154/5154; ELEMECML 4156/5156; or consent of instructor; junior standing. (Variable)

ELEMECML 4158/5158. Practicum in Education of the Gifted — 3 hrs.
Practicum in which curriculum and instructional methods for Education of the Gifted are used with preK-12 students. Prerequisite(s): ELEMECML 4154/5154; 4156; 4157; junior standing. (Variable)

ELEMECML 4162/5162. Administration and Advocacy of Early Childhood Programs — 2 hrs.
Overview of knowledge, skills and legal framework needed for leading, evaluating and advocating for inclusive and developmentally appropriate programs for children of diverse backgrounds and abilities, ages birth-8 years. Prerequisite(s): must have full admission to the Teacher Education Program; must have cumulative and UNI GPA of 2.50 or higher to enroll in this course; junior standing. (Fall and Spring)

ELEMECML 4192/5192. Field Experience and Seminar in Early Childhood — 2 hrs.
Experience in guiding young children, planning and implementing instruction in inclusive early childhood classroom. Prerequisite(s): must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course; junior standing. Corequisite(s): ELEMECML 4130/5130 for Early Childhood majors and minors. ELEMECML 4130/5130; SPED 4141/5141; SPED 4192/5192 for Early Childhood Special Education minors. (Fall and Spring)

ELEMECML 6201. Issues and Trends in Curriculum — 3 hrs.
Current ideas influencing the planning and implementation of curriculum. Prerequisite(s): consent of department. (Variable)

ELEMECML 6205. Technology in Early Childhood Education — 2 hrs.
Examination of policies, expert recommendations, and developmentally appropriate practices for using technology and digital media as learning tools for young children. Prerequisite(s): consent of department. (Variable)

ELEMECML 6210. Diversity in Early Childhood Education: Theory and Practice — 3 hrs.
Current theory and practical strategies for planning and implementing appropriate experiences for young children and families. Students will learn current understandings re: race, ethnicity, culture, socio-economic status, and inclusion of children with special needs. (Variable)

ELEMECML 6214. Recent Research in Early Childhood Education — 3 hrs.
Review of implications of research to gain techniques for improving instruction and programs for young children. Prerequisite(s): ELEMECML 4151/5151 or equivalent. (Variable)

ELEMECML 6221. Analysis and Design of Curriculum for Young Children — 2 hrs.
Basic assumptions underlying curriculum for young children to prepare students to improve teaching practices, and provide direction to future decision making on programs and materials. (Variable)

ELEMECML 6236. Assessment in Early Childhood — 2 hrs.
Uses and interpretations of formal and informal measures to assess physical, social, intellectual and emotional development in young children, including English language learners and children with special needs. Program evaluation will be addressed. (Variable)

ELEMECML 6242. Analysis and Improvement of Science Instruction in the Elementary School — 3 hrs.
Application of current research and national standards regarding attitudes, process skills, inquiry, and essential knowledge to the analysis and improvement of science curriculum including the learning cycle, unifying themes, creativity, and differentiated instruction. Prerequisite(s): admission to the Elementary Education Master's Program M.A.E.) or consent of instructor. (Variable)

ELEMECML 6243. Analysis and Improvement of Social Studies Instruction in the Elementary School — 3 hrs.
Assists teacher in exploring historical and current practices in social studies to create new approaches by using available resources and ideas. Prerequisite(s): ELEMECML 4143/5143 or ELEMECML 4150 or consent of department. (Variable)

ELEMECML 6285. Readings in Education — 1-3 hrs.
(Fall, Spring, Summer)

ELEMECML 6289. Seminar in Education — 3 hrs.
Special topics listed in Schedule of Classes. May be repeated to a maximum of 6 hours. (Fall, Spring, Summer)

ELEMECML 6297. Practicum — 2-3 hrs.
(Fall, Spring, Summer)

ELEMECML 6299. Research — 1-6 hrs.
Prerequisite(s): consent of department. (Fall, Spring, Summer)

ELEMECML 7352. Curriculum Theory and Development — 3 hrs.
Assists the advanced graduate student in viewing, analyzing, and interpreting the curriculum and instruction program of an educational institution and in developing skills for implementing change. (Variable)

ELEMECML 7354. Curriculum Implementation and Evaluation — 3 hrs.
Exploration of systems for program evaluation and revision and the dynamics of change processes. (Variable)

ELEMECML 7389. Seminar in Curriculum and Instruction — 3 hrs.
Intensive study and seminar presentations of current issues, trends, procedures, and obstacles to change in curriculum and instructional practice. May be repeated to a maximum of 12 hours. Prerequisite(s): doctoral status or consent of department. (Variable)

ELEMECML 7397. Practicum in Curriculum and Instruction — 2-4 hrs.
Supervised practice in working as a co-facilitator and/or as a facilitator in program evaluation and revision and/or instructional design and improvement in an educational setting. May be repeated for maximum of 4 hours. Prerequisite(s): ELEMECML 7352; and consent of instructor. (Fall, Spring, Summer)

English Language and Literature Courses (ENGLISH)

Courses

ENGLISH 1002. College Writing Basics — 3 hrs.
Prepares students with limited writing experience for ENGLISH 1005; recommended for students who have ACT English scores of 17 or less. Emphasis on reading and writing a variety of increasingly

complex expository texts. Attention to developing and organizing ideas, revising, editing, and adapting written discourse for readers. Does not meet the Liberal Arts Core writing requirement; does not count toward minimum hours required for baccalaureate degree. No credit if prior credit in another college writing course. (Variable)

ENGLISH 1005. College Writing and Research — 3 hrs.
Recommended for students who have ACT English and Reading scores of 18-26; students who have ACT English scores of 17 or less are advised to take ENGLISH 1002 first. Emphasis on critical reading and the writing of a variety of texts with attention to audience, purpose, and rhetorical strategies. Attention to integrating research materials with students' critical and personal insights. No credit if prior credit in ENGLISH 2015 or ENGLISH 2120. (Fall and Spring)

ENGLISH 1120. Literature: (topic) — 3 hrs.
Developing ability to read perceptively and imaginatively by exploring a variety of literary texts in English and/or English translation in multiple genres such as nonfiction, poetry, drama, fiction, and/or film. Attention to understanding and appreciating creative uses of verbal resources and artful representations of human experience. Offered on specific topics listed in the Schedule of Classes. May be repeated for credit under different topics. (Fall and Spring)

ENGLISH 2015. Introduction to Writing Studies — 3 hrs.
Examines writing and research as social and learning technology. Students will devise their own research problem, find and evaluate credible sources, write and revise academic and professional research. (Variable)

ENGLISH 2120. Critical Writing About Literature — 3 hrs.
Study of techniques of various literary forms including poetry, drama, and fiction. Attention to processes and purposes of critical and scholarly writing and to documentation. Introductory course for English Department majors and minors. (Fall and Spring)

ENGLISH 2320. Survey of English Literature I: Beginnings to Early Modernity — 3 hrs.
Broad historical, cultural, theoretical, and formal consideration of artful expressions by English speaking peoples from the earliest documentary witnesses through early modernity. (Fall and Spring)

ENGLISH 2340. Survey of English Literature II: Romantics to Post-Colonialism — 3 hrs.
Broad historical, cultural, theoretical, and formal consideration of artful expressions by English speaking peoples from the British Romantic Movement to contemporary world writing. (Fall and Spring)

ENGLISH 2420. Survey of American Literature — 3 hrs.
Historical, cultural, theoretical, and/or formal study of literature from the geographical area that has become the United States. Genres may include drama, fiction, film, non-fiction, poetry, and other literary and cultural texts. (Fall and Spring)

ENGLISH 2520. Multicultural Literature — 3 hrs.
Selected texts from multicultural literatures of the United States (e.g., African American, Asian American, Hispanic American, Jewish American, Native American); may also include texts from postcolonial literatures. (Fall and Spring)

ENGLISH 2650. Introduction to Film — 3 hrs.
Examination at introductory level of four film genres: narrative, documentary, animated, and experimental; preparation for further work, either individually or academically. (Variable)

ENGLISH 2700. Elements of Creative Writing — 3 hrs.
Attention to basic elements in the writing of poetry, fiction, and creative nonfiction, including the imaginative uses of perspective and voice, narration and setting, story and plot, memory and reflection, dialogue and characterization, image and metaphor, and diction and sound. (Fall and Spring)

ENGLISH 2770. Introduction to Workplace Writing — 3 hrs.
Emphasis on writing in workplace settings: workplace communication responsibilities affecting a variety of audiences, theoretical perspectives, and lab experiences with industry-standard technologies, writing practices specific to disciplines, attention to the history of the professional communication discipline. (Fall and Spring)

ENGLISH 3144. Genocide in Writing and Film — 3 hrs.
Exploration of the complex interaction among occurrences of genocide, memory of them (individual, collective, and cultural), and print and cinematic representations of these historical events. Emphasis on how writing and film have shaped audience awareness and understanding of different genocides as well as individual, collective, and cultural responses to them. Prerequisite(s): junior standing. (Same as CAP 3144) (Variable)

ENGLISH 3148. The Holocaust in Literature and Film — 3 hrs.
Examination of responses to the Holocaust in literary texts and visual narratives. Includes issues of survivor testimony and representation, the possibilities and limitations of language and cinematic images, the role of memory, and questions of ethics and trauma. [Same as CAP 3148] (Variable)

ENGLISH 3162. Ireland: Literature, Culture, History — 3 hrs.
Applying various perspectives from the arts, humanities, and social sciences to selected topics and issues in Irish literature, culture, and history; includes visits to notable related sites in Ireland. Generally offered as a Summer Study Abroad course. [Same as CAP 3162] (Even Summers)

ENGLISH 3577. Blues and Jazz in African American Film and Literature — 3 hrs.
African American experiences in Spirituals, Blues, Gospel, Ragtime, Jazz, and Rap/Hip-Hop applied to study of narrative strategies, themes, and ideologies of resistance and survival in African American films and literature. [Same as CAP 3187] (Variable)

ENGLISH 3710/5710. Craft of Creative Nonfiction — 3 hrs.
Written exercises in forms, patterns, and techniques in creative nonficiton. Readings in creative nonfiction with particular attention to narrative structures and strategies. May be taken for 3 hours of undergraduate credit and 3 hours of graduate credit. Prerequisite(s): ENGLISH 2120 or ENGLISH 2700; junior standing. (Fall and Spring)

ENGLISH 3715/5715. Craft of Poetry — 3 hrs.
Development of creative and communication skills via written exercises in forms, patterns, and techniques of poetry. Readings in poetry, especially contemporary poetry, with particular attention to poetic structures and strategies. May be taken for 3 hours undergraduate credit and 3 hours of graduate credit. Prerequisite(s): ENGLISH 2700 or consent of instructor; junior standing. (Fall)

ENGLISH 3725/5725. Craft of Fiction — 3 hrs.
Written exercises in forms, patterns, and techniques of fiction. Readings in fiction with particular attention to narrative structures and strategies. May be taken for 3 hours of undergraduate credit and 3 hours of graduate credit. Prerequisite(s): ENGLISH 2700 or consent of instructor; junior standing. (Fall and Spring)

ENGLISH 3770. Technical Writing in Applied Sciences — 3 hrs.
Focus on document composition and design to make technical information useful and to aid collaborative, technical decision-making. Includes topics such as rhetorical analysis, user-centered design,

usability studies, technical documentation ethics, and/or technology-aided delivery for instruction and presentation. Prerequisite(s): ENGLISH 1005; junior standing. (Variable)

ENGLISH 3772/5772. Technical Writing for Engineering Technologists — 3 hrs.
Instruction and practice in writing definitions and descriptions of technical mechanisms and processes; using style and form appropriate for technical documents ranging from reports and proposals to manuals in the fields of engineering and technology. Attention to analyzing the purposes of specific technical communication projects and their intended audiences in order to design documents that are appropriate and effective within academia, government, business, and industry. Prerequisite(s): ENGLISH 1005; junior standing. (Variable)

ENGLISH 4025/5025. Theory and Practice of Writing — 3 hrs.
Study of writing as an object of theoretical inquiry. Examination and application of diverse perspectives on writing in social organizations. Prerequisite(s): junior standing. (Variable)

ENGLISH 4040/5040. Digital Writing: Theory and Practice — 3 hrs.
Rhetorical analysis and reflective practice related to digitally mediated texts. Use of new media as tools for textual composing. Consideration of how digital communication shapes genres, critical approaches, and the processes and aims of writing. Prerequisite(s): junior standing. (Variable)

ENGLISH 4110/5110. Environmental Literature — 3 hrs.
A survey of major works about the environment and nature with attention to their social, historical, and scientific impacts, their techniques of writing, and their enduring legacies as both literary achievements and scientific knowledge. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4120/5120. Literature, Gender and Intersectionality — 3 hrs.
Representations of gender and gender orientation in literature; issues surrounding intersectionality of identity; queer studies and feminist criticism. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4140/5140. Literary Criticism — 3 hrs.
Important modern and traditional critical positions and their application to imaginative literature. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4160/5160. Issues in Digital Humanities — 3 hrs.
Explores the intersection of inquiry and creativity in the Humanities--including literature and writing--with the use of digital resources for analysis and presentation; attention to theoretical issues focused on the use of innovative digital tools in traditional Humanities fields; may include hands-on experience with relevant digital applications. Prerequisite(s): junior standing. (Variable)

ENGLISH 4188/5188. Author Seminar: _____ — 3 hrs.
Intensive study of one or more authors, canonical or non-canonical; may focus on lesser-read texts and genres. Topic listed in semester Schedule of Classes. May be repeated for credit on different topics. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4190/5190. Seminar in Literature: _____ — 3 hrs.
Topic listed in Schedule of Classes. May be repeated for credit on different topics. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4192. English Senior Seminar: (topic) — 3 hrs.
This course combines content-area instruction with synthesis of students' work in English and preparation for future endeavors. Seniors are encouraged, but not required, to take one of these classes prior to graduation. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Fall and Spring)

ENGLISH 4198. Independent Study.
(Fall and Spring)

ENGLISH 4310/5310. Old English Language, Literature, and Culture — 3 hrs.
Introduction to the language and culture of Anglo-Saxon England (ca. 500-1100 CE) with reference to its most important document, the folk epic, Beowulf. Prerequisite(s): junior standing. (Variable)

ENGLISH 4315/5315. Early Modern Drama — 3 hrs.
Emphasis on contemporaries of Shakespeare such as Marlowe, Jonson, and Webster; includes selected premodern, Restoration, and 18th- and 19th-century dramas. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4320/5320. English Renaissance — 3 hrs.
Non-dramatic literature of the English Renaissance, 1485-1660. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4325/5325. 18th-Century British Literature — 3 hrs.
Major writers of satire, verse, and prose including Dryden, Swift, Pope, and Johnson. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4330/5330. British Romantic Writers — 3 hrs.
Focus on the poetry and prose of the Lake Poets (Wordsworth and Coleridge) members of the Joseph Johnson circle (Wollstonecraft, Godwin, and Blake), and the Leigh Hunt circle (Byron, Keats, and the Shelleys). Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4335/5335. British Victorian Writers — 3 hrs.
Focus on the poetry and prose of major writers (e.g., Tennyson, Browning, Arnold, and Ruskin), as well as on members of "The Fleshly School of Poetry" (the Pre-Raphaelites and Swinburne) and the Aesthetes (Wilde and his circle). Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4340/5340. British Novel to 1900 — 3 hrs.
Major fiction writers such as Fielding, Sterne, Austen, Dickens, Thackeray, the Brontes, George Eliot, and Hardy. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4345/5345. British Novel Since 1900 — 3 hrs.
Includes novels by writers such as Joseph Conrad, James Joyce, Virginia Woolf, Doris Lessing, Kazuo Ishiguro, Martin Amis, Salman Rushdie and Zadie Smith; includes topics such as modernism, postmodernism and postcolonialism. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4370/5370. Chaucer — 3 hrs.
Poetry of Chaucer; may include other medieval writers. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4375/5375. Shakespeare — 3 hrs.
Advanced study of selected plays and poems in historical and biographical contexts as well as in terms of the history of Shakespeare studies. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4380/5380. Milton — 3 hrs.
Milton's major English poetry and prose. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4410/5410. Early American Literature — 3 hrs.
Diverse literary and cultural expressions of the American experience from early European contact through the 1820s. Genres include autobiography, religious writing, captivity narrative, poetry, and the novel. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4420/5420. The American Renaissance — 3 hrs.
U.S. writers of the mid-1800s such as Hawthorne, Melville, Emerson, Stowe, Douglass, and Thoreau; attention to literary engagements with controversial reforms including the anti-slavery, labor, and women's movements. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4425/5425. American Realism and Naturalism to WWI — 3 hrs.
Literary selections 1870 to World War I; emphasis on fiction. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4430/5430. American Poetry to 1914 — 3 hrs.
Examination of selected elite and popular traditions in American poetry from the colonial period to the stirrings of modernism. Includes extended discussion of Whitman and Dickinson in their literary, cultural, and theoretical contexts. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4445/5445. American Novel Since 1900 — 3 hrs.
Includes novels by writers such as Willa Cather, William Faulkner, Zora Neale Hurston, Kurt Vonnegut, Don Delillo, Toni Morrison and Jennifer Egan; includes topics such as modernism and postmodernism. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4540/5540. African American Literature — 3 hrs.
Study of African American literature in a variety of forms and genres: Black Vernacular (spirituals, blues, jazz, and folktales), slave narratives, poetry, fiction, drama, film, and autobiography. Prerequisite(s): ENGLISH 2120 or ENGLISH 2520 or consent of instructor; junior standing. (Variable)

ENGLISH 4560/5560. Asian American Literature — 3 hrs.
Texts by North American writers of Asian descent, selected from fiction, drama, poetry, memoirs, oral history, and film. Attention to significant themes, literary innovations, and cultural sensitivity in reading and interpreting ethnic literature. Prerequisite(s): ENGLISH 2120 or ENGLISH 2520 or consent of instructor; junior standing. (Variable)

ENGLISH 4588/5588. World Literature Seminar: (Topic) — 3 hrs.
Study of literary works from across linguistic, cultural and historical boundaries. Attention to significant themes, literary innovations and culturally diverse perspectives. All readings and discussions in English. Specific topic listed in Schedule of Classes; may be repeated for credit on different topics. Prerequisite(s): ENGLISH 2120; junior standing. (Variable)

ENGLISH 4602/5602. Modern and Contemporary Poetry — 3 hrs.
Study of poets and poetry written in English in the twentieth-century and beyond. May focus on formal, thematic, critical and/or historical readings. Specific topic may be listed in semester Schedule of Classes. May be repeated for credit on different topics Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4615/5615. Modern Drama — 3 hrs.
Twentieth-century American, British, and European drama; may include drama from other cultures. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4632/5632. Literary Nonfiction — 3 hrs.
Study of artful texts about actual people, places, and events: selected from memoirs and autobiographies, biographies, histories, journalism, nature, travel, science, and essay writing. Attention to techniques used in creative nonfiction and to issues of accuracy, privacy, and "truth." Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4652/5652. Film and Literature — 3 hrs.
Attention to cinematic adaptations of various literary prose works; aesthetic, cultural, genre, and other factors that influence adapting print to film media. Prerequisite(s): ENGLISH 2120 or COMM DM 1651 or consent of instructor; junior standing. (Variable)

ENGLISH 4660/5660. Film History — 3 hrs.
Survey of artists, historical movements, and styles from silent and sound eras; focus on Classical Hollywood and its alternatives (Soviet, Italian Neorealism, French New Wave, and New German Cinema). Prerequisite(s): ENGLISH 2120 or ENGLISH 2650 or COMM DM 1651 or consent of instructor; junior standing. (Variable)

ENGLISH 4664/5664. Film Theory and Criticism — 3 hrs.
Survey of major approaches to cinema including both the early schools (Realist, Genre Studies, and Auteurist) and the post-structural explosion (Marxist, Psychoanalytic, and Contextual Studies). Prerequisite(s): ENGLISH 2120 or ENGLISH 2650 or COMM DM 1651 or consent of instructor; junior standing. (Variable)

ENGLISH 4668/5668. Issues in International Film: (topic) — 3 hrs.
Intensive study of international cinematic traditions. Instruction in English. Films subtitled or dubbed in English. Topic listed in semester Schedule of Classes. May be repeated for credit on different topics. Prerequisite(s): ENGLISH 2120 or ENGLISH 2650 or COMM DM 1651 or consent of instructor; junior standing. (Variable)

ENGLISH 4672/5672. Electronic Literature — 3 hrs.
Examination and creation of new media literary texts. May include hypertext non-linear narratives, multi-media texts, and digital poetry. Prerequisite(s): COMM 2555 or ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4688/5688. Genre Seminar:_____ — 3 hrs.
Intensive study of a genre - for example, novella, long poem, memoir, short fiction, satire, science fiction, film noir. May include attention to the genre's history, representative texts, and/or related theory. May be repeated for credit on different topics. Prerequisite(s): ENGLISH 2120 or consent of instructor; junior standing. (Variable)

ENGLISH 4720/5720. Studies in Creative Writing: (topic) — 3 hrs.
Intensive study of specialized area or emerging field in Creative Writing. May include attention to issues such as literary publishing, screenwriting, video game narrative, digital poetry, flash fiction.

May be repeated for credit on different topics. Prerequisite(s): ENGLISH 2700; junior standing.

ENGLISH 4730/5730. Creative Nonfiction Workshop — 3 hrs.
Advanced peer workshop focusing on refining techniques of writing creative nonfiction and on examples of its varied modes and purposes; attention to voice and narrative strategies. May be repeated for up to 9 hours of undergraduate credit and also up to 9 hours of graduate credit. Prerequisite(s): ENGLISH 3710/5710; junior standing. (Variable)

ENGLISH 4740/5740. Poetry Workshop — 3 hrs.
Advanced peer workshop focusing on refining techniques of poetry writing and on contemporary poetry. May be repeated for up to 9 hours of undergraduate credit and also up to 9 hours of graduate credit. Prerequisite(s): ENGLISH 3715/5715 or consent of instructor; junior standing. (Spring)

ENGLISH 4750/5750. Fiction Workshop — 3 hrs.
Advanced peer workshop focusing on refining techniques of fiction writing and on contemporary fiction. May be repeated for up to 9 hours of undergraduate credit and 9 hours of graduate credit. Prerequisite(s): ENGLISH 3725/5725 or consent of instructor; junior standing. (Variable)

ENGLISH 4755/5755. Creative Writing Practicum: North American Review — 3 hrs.
Students assist with the production of the North American Review, undertaking individual supervised reviewing, editing or design assignments outside the classroom environment. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing. (Variable)

ENGLISH 4760/5760. Advanced Creative Writing Workshop — 3 hrs.
Multi-genre workshop emphasizing peer critique of student writing, with attention to craft, contemporary literature, and the writing life. May be repeated for maximum of 9 hours credit. Prerequisite(s): ENGLISH 4730/5730 or ENGLISH 4740/5740 or ENGLISH 4750/5750; junior standing; consent of department. (Variable)

ENGLISH 4765/5765. Applied Writing: Workplace Communication — 3 hrs.
Examining and designing reports (e.g., investigative, feasibility, progress) and other documents generated in workplace settings; practicing print and digital composing techniques specific to these documents; researching and managing professional document projects. Prerequisite(s) or corequisite(s): MGMT 2080 or ENGLISH 2770 or consent of instructor; junior standing. (Variable)

ENGLISH 4770/5770. Applied Writing: Proposals and Grants — 3 hrs.
Examining and designing persuasive documents in professional settings; analyzing and practicing print and digital composing techniques specific to these documents; includes writing for community organizations (e.g., for fund-raising and development). Prerequisite(s) or corequisite(s): MGMT 2080 or ENGLISH 2770 or consent of instructor; junior standing. (Variable)

ENGLISH 4775/5775. Applied Writing: Specialized Documents — 3 hrs.
Examination and design of descriptive, definitional, and instructional documents generated in workplace settings. Practice of print and digital composing techniques specific to these documents. Crafting and management of usability tests of professional texts. Prerequisite(s) or corequisite(s): MGMT 2080 or ENGLISH 2770 or consent of instructor; junior standing. (Variable)

ENGLISH 4780/5780. The Profession of Editing — 3 hrs.
Examination of editing strategies and responsibilities in scholarly and professional settings. Emphasis on understanding of editing resources, editor roles in document development, and the politics of grammar and style. Prerequisite(s): Prerequisite(s) or corequisite(s): ENGLISH 2770 or ENGLISH 2700 or consent of instructor; junior standing. (Variable)

ENGLISH 4785/5785. Applied Writing: Projects, Grants and Careers — 3 hrs.
Creating workplace communications with clients; practicing print and digital composing strategies specific to these documents; applying academic experience to workplace projects; particular attention to project management. Prerequisite(s) or corequisite(s): ENGLISH 2770 or consent of instructor; junior standing. (Variable)

ENGLISH 4790/5790. Professional Writing Practicum: _____ — 1-6 hrs.
Students undertake individual, supervised writing, editing, and document preparation assignments outside the classroom environment. Offered on specific topics or projects listed in the Schedule of Classes. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing; consent of instructor. (Variable)

ENGLISH 4920/5920. The Teaching of Writing — 3 hrs.
Theory, research, and practice in teaching the composing, revising, and editing of written discourse for various audiences and purposes; attention to development of writing and language abilities, course design, and implementation and evaluation strategies. Prerequisite(s): UNIFI Written Communication requirement or its equivalent or consent of instructor; junior standing. (Fall and Spring)

ENGLISH 4940/5940. Literature for Young Adults — 3 hrs.
Reading and evaluation of literature suitable for adolescents. Prerequisite(s): junior standing. (Fall, Spring, Summer)

ENGLISH 4980/5980. The Teaching of English — 3 hrs.
Preparation for teaching secondary English (5-12); teaching of literature and media, reading and writing, and speaking and listening; attention to curriculum design, language development and use, and evaluation. Prerequisite(s): TEACHING 3128; EDPSYCH 3148; MEASRES 3150; junior standing. (Fall and Spring)

ENGLISH 4990/5990. Seminar in Teaching College Writing — 3 hrs.
Preparation to teach introductory college writing; focus on designing syllabi, planning classes, and creating writing assignments. Attention to theoretical issues that inform classroom practice. Prerequisite(s): senior standing; consent of instructor. (Variable)

ENGLISH 5186. Studies in Second Language Learning and Teaching — 3 hrs.
Studies in Second Language Learning and Teaching

ENGLISH 6100. Methods of Graduate Study in English — 3 hrs.
Introduction to problems, techniques, and tools of graduate-level study and research in English; to be completed before 9 hours earned in the M.A. program. Prerequisite(s): written consent of English Graduate Coordinator. (Fall)

ENGLISH 6110. Topics in Literary Criticism — 3 hrs.
Selected problems in the theory of literary art, the history of criticism, and the interpretation of particular works. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6120. Feminist Literary Theories and Practice — 3 hrs.
Examination of how writers transform society's beliefs about the nature and function of women into literary plots, images, and themes, and how, in turn, these influence society's attitudes toward women.

Emphasis on socio-historical approaches prevalent in the United States; attention to British political and French psychoanalytic critics. Prerequisite(s) or corequisite(s): ENGLISH 6100 or WGS 6289 or consent of instructor. (Variable)

ENGLISH 6140. Contemporary Literary Theory — 3 hrs.
Attention to major developments such as semiotics, psychoanalysis, post-structuralism, post-modernism, reception theory, multicultural and postcolonial studies, feminism, and gender studies. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6150. Current Issues in Secondary English Language Arts: [topic] — 3 hrs.
Attention to topics of immediate significance or developing interest within the field of Secondary English Language Arts teaching; topics to be selected in consultation with cohort members; may be repeated for credit by taking different topics. Prerequisite(s): graduate standing; department approval. (Even Summers)

ENGLISH 6188. Seminar in Literature — 3 hrs.
Selected generic, thematic, or critical topic or specific writer. Topic listed in Schedule of Classes. May be repeated for credit. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6299. Research.
Prerequisite(s): consent of department. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Fall, Spring, Summer)

ENGLISH 6310. Medieval English Literature — 3 hrs.
Examination of how medieval English writers transform the cultural, social, theological, philosophical, and ideological experiences of medieval society into literary language, structures, themes, and genres. Literary texts read in the original Old English or Middle English or in modern English translation. Specific topic may be listed in Schedule of Classes. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6320. English Renaissance Literature — 3 hrs.
(1485-1660). Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6330. Restoration and 18th Century English Literature — 3 hrs.
(1660-1798). Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6340. 19th Century English Literature — 3 hrs.
Romantic and/or Victorian writers. May be repeated for credit on different topics. Specific topic may be listed in Schedule of Classes. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6350. Modern English Literature — 3 hrs.
(1900-1945). Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6420. American Romantic Literature — 3 hrs.
American literature written between 1820 and 1870 that engages major romantic ideas about human nature, divinity, the environment, aesthetics, and social reform. May include one or more contemporary works of American neo-romanticism. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6430. Issues in American Literature, 1865-1914 — 3 hrs.
Post-Civil War American literature that responds to issues such as Reconstruction, immigration, industrialization, changing women's roles, Darwinism, and Freudian psychoanalysis. Particular attention to the development of realism, naturalism, and regionalism in fiction. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6450. Modern American Literature — 3 hrs.
(1912-1945). Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6540. Contemporary Literature — 3 hrs.
Literature from 1945 to present; may include poetry, drama, and/or fiction. Specific topic may be listed in Schedule of Classes. May be repeated for credit on different topics. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6720. Graduate Creative Writing Workshop — 3 hrs.
Multi-genre workshop emphasizing peer critique of student writing, with attention to craft, contemporary literature, and the writing life. May be repeated for maximum of 9 hours credit. Prerequisite(s): ENGLISH 4715 or ENGLISH 4725 or written consent of instructor. Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

ENGLISH 6950. Teaching Major Authors: [Topic] — 3 hrs.
Advanced study of instructional resources, activities, and strategies for effective teaching of major authors in secondary English/Language Arts classrooms; topic may focus on one or more writers (e.g., William Shakespeare, Walt Whitman Emily Dickinson) or on several writers associated with a period, region, ethnic tradition, or genre (e.g., Modern American Poets). May be repeated. Prerequisite(s): graduate standing. (Variable)

ENGLISH 6980. Seminar in the Teaching of English — 3 hrs.
Prerequisite(s) or corequisite(s): ENGLISH 6100. (Variable)

Entrepreneurship Courses (ENTR)

Courses

ENTR 1010. Overview of Entrepreneurship — 3 hrs.
The course will detail various paths of entrepreneurship available to UNI while introducing students to current entrepreneurial methodology including the entrepreneurial mindset, entrepreneurship, lean startup, design thinking, and Agile. (Fall and Spring)

ENTR 2010. Financials for the Entrepreneurial Enterprise — 3 hrs.
Focused on constructing projected financial statements for a start-up company using market research and industry analysis data given a lack of historical data. Lays foundation for skills and motivations necessary for entrepreneurial success. Prerequisite(s): sophomore standing. (Fall and Spring)

ENTR 3583/5583. Entrepreneurship — 3 hrs.
Students develop a startup business idea within a supportive team environment. Activities include opportunity assessment, new venture strategic planning, creation of a business plan, and presentation of the business pitch. Prerequisite(s): For College of Business majors: admittance to College of Business. For non-College of Business majors: ENTR 2010; junior standing. (Fall and Spring)

ENTR 3586/5586. Entrepreneurial Strategy — 3 hrs.
Students help an existing start-up business in the community scale to the next level. Using engagement and prototyping experiments, teams identify entrepreneurial, innovation or growth opportunities and present a strategic plan to the client and external judges. This is a service-learning designated course. Prerequisite(s): ENTR 3583/5583; junior standing. (Fall and Spring)

Environmental Science Courses (ENV SCI)

Courses

ENV SCI 4195. Environmental Science/Health Internship — 1-10 hrs.
Supervised work experience in conjunction with academic project conducted under faculty guidance. May be repeated for maximum of 12 hours. Prerequisite(s): consent of department head. (Fall, Spring, Summer)

Family Services Courses (FAM SERV)

Courses

FAM SERV 1010. Human Identity and Relationships — 3 hrs.
Use of social science theory and research to understand psycho-socio-cultural influences in the development of identity and interpersonal relationships. Emphasizes application of current research and theory to facilitate positive individual growth and committed intimate relationships. (Fall, Spring, Summer)

FAM SERV 1020. Family Relationships — 3 hrs.
Understanding contemporary families as they exist in their cultural context. Exploration of how families change and adapt to normative and non-normative challenges. Application of family theory and current research in order to understand family dynamics. (Fall, Spring, Summer)

FAM SERV 1030. Research Methods in Family Science — 3 hrs.
Introduction to basic research methods used in family science. Quantitative and qualitative research designs, ethical considerations, and evaluating research results. Development of hypotheses based on current research and choice of appropriate methodologies to address them. (Fall and Spring)

FAM SERV 1055. Human Growth and Development — 3 hrs.
Examination of theory and research contributing to our understanding of how biological, psychological, and social influences shape interindividual differences and intraindividual change across the lifespan. (Fall and Spring)

FAM SERV 1057. Human Relationships and Sexuality — 3 hrs.
Human sexuality as an integration of biological, psychological, and social factors. Topics include developing healthy relationships, sexual orientation, love, sexuality education, sexual decision making, and challenges of sexual health and functioning. (Fall and Spring)

FAM SERV 1140. Exploring Family Diversity in America — 3 hrs.
Exploration of diverse family/kin networks in America. Explore similarities and differences with issues such as: family characteristics, life-cycle (e.g., marriage, children), adaptation, and impacts of systemic forces (e.g., oppression). (Variable)

FAM SERV 1210. The Creative Experience — 3 hrs.
In this lively, experiential course, students explore creative persons, products, and places that have had an impact upon the arts and culture. In collaborative teams, students use artistic media to tell the stories of creative persons, products, and places. (Fall and Spring)

FAM SERV 2054. Interpersonal Relationship Dynamics — 3 hrs.
Analysis of interpersonal relationship dynamics and dyadic decision-making using various theoretical perspectives. Study of evidence-based relationship enhancement strategies. Prerequisite(s): FAM SERV 1010; FAM SERV 1020; minimum grade of C- in all prerequisite courses. (Variable)

FAM SERV 2060. Strategies and Issues in Family Services — 3 hrs.
Survey of prevention and intervention models, methods and professional issues involved in family services. Prerequisite(s): FAM SERV 1020; minimum grade of C- in all prerequisite courses. (Fall and Spring)

FAM SERV 2077. Management of Family Resources — 3 hrs.
Exploration of the management of human and economic resources available to individuals and families through the lifespan from a family science perspective. Emphasis on financial, time, and work/family issues. (Variable)

FAM SERV 2111. Families and End of Life Issues — 3 hrs.
Overview of individual, familial, social, and cultural aspects of death, dying and the bereavement process. Topics include final planning, palliative care, funeral rituals, and grief. Prerequisite(s): sophomore standing. (Same as GERO 2111) (Variable)

FAM SERV 3145/5145. Violence in Intimate Relationships — 3 hrs.
Exploration of theoretical models of violence in intimate and family relationships and examination of the impact of violence on secondary victims. Empirical and programmatic implications for prevention and intervention models are reviewed. Prerequisite(s): junior standing. (Variable)

FAM SERV 3150/5150. Families and Aging — 3 hrs.
Identification of challenges and normative transitions associated with aging families. Application of developmental and family theories to tasks of adulthood and aging. Prerequisite(s): FAM SERV 1020; FAM SERV 1055 or PSYCH 2202; minimum grade of C- in all prerequisite courses; junior standing. (Fall and Spring)

FAM SERV 3155/5155. Parenting — 3 hrs.
Review of parent-child relationships and the dynamic processes of parenting children from conception through young adulthood. Emphasizes developmental and family theory and the diversity of contexts that impact parent-child relationships. Prerequisite(s): FAM SERV 1020; FAM SERV 1055 or PSYCH 2202; minimum grade of C- in all prerequisite courses; junior standing. (Fall and Spring)

FAM SERV 3160/5160. Family Assessment and Intervention — 3 hrs.
Exploration and integration of theoretical and evidence-based practice models and skills utilized in family intervention. Professional skills, strategies, tools and ethical issues associated with family assessment and interventions will be examined. Prerequisite(s): junior standing; consent of instructor. (Fall and Spring)

FAM SERV 3161/5161. Families, Alzheimer's and Related Dementias — 3 hrs.
Exploration of issues pertaining to Alzheimer's Disease and related dementias. Examination of challenges associated with memory disorders. Strategies for supporting affected individuals and families. Cannot receive credit in both FAM SERV 3161/5161 and GERO 3161/5161. Prerequisite(s): junior standing. (Same as GERO 3161/5161) (Variable)

FAM SERV 3162/5162. Issues in Family Policy — 3 hrs.
Exploration of legal issues, policies, and laws influencing the well-being of families, and the roles family professionals can play in

influencing and informing policy at the local, state, and federal levels. Prerequisite(s): FAM SERV 1020; minimum grade of C- in all prerequisite courses; junior standing. (Variable)

FAM SERV 3176/5176. Consumer Behavior Across the Lifespan — 3 hrs.
Analytical approach to the consumption of durables, goods, services, and housing by families across the lifespan. Impact of family on consumption and purchasing decisions. Prerequisite(s): junior standing. (Variable)

FAM SERV 3180/5180. Problems in Family Services — 1-4 hrs.
Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

FAM SERV 3182/5182. Research in Family Services — 1-6 hrs.
Conduct supervised research and/or scholarly project. Prerequisite(s): instructor approved research methods course or research project; junior standing; consent of instructor. (Variable)

FAM SERV 4157/5157. Human Sexuality Education — 3 hrs.
Examination of methods for teaching human sexuality in a variety of educational settings; emphasis placed on family life education programs. Students will use theoretical and empirical literature to evaluate programs and to develop sexuality curricula. Prerequisite(s): FAM SERV 1057; minimum grade of C- in all prerequisite courses; junior standing. (Variable)

FAM SERV 4178. Family Life Education — 3 hrs.
An understanding of the general philosophy and broad principles of family life education in conjunction with the ability to plan, implement, and evaluate educational programs for families. Prerequisite(s): FAM SERV 1020; FAM SERV 1057; FAM SERV 2060; 3 hours social science research methods; minimum grade of C- in all prerequisite courses; senior standing as a Family Services major or consent of instructor. (Variable)

FAM SERV 4184/5184. Topics in Family Services — 1-3 hrs.
Selected topics relating to current issues in Family Services. Topics to be announced in the Schedule of Classes. May be repeated on different topics for maximum of 6 hours. Prerequisite(s): junior standing. (Variable)

FAM SERV 4190. Professional Practice in Family Services — 3 hrs.
Professional development course including the following topics: family services as a profession; ethical decisions; diversity in the professional field; issues that emerge in family service agencies; and preparation for internship and entry into employment. Prerequisite(s): FAM SERV 2060; Family Services and Gerontology majors only; minimum grade of C- in all prerequisite courses; consent of instructor. (Fall and Spring)

FAM SERV 4195. Internship in Family Services — 6-9 hrs.
Supervised experience in approved practicum situation. Transfer students must complete one full semester in residence before being approved for internship. Stipulate a minimum of 270 hours of internship plus seminar. Prerequisite(s): FAM SERV 4190; minimum grade of C- in all prerequisite courses; minimum 2.40 GPA; senior standing. (Fall, Spring, Summer)

FAM SERV 4198. Independent Study in Family Services.
Independent Study in Family Services

Finance Courses (FIN)

Courses

FIN 1040. Financial Skills for Smart Living — 3 hrs.
This course will prepare students for their own personal financial well-being in life. The course will cover the main topics of personal finance at a broad level including setting goals, budgeting, saving, investing, insurance, credit, loans, making home and automobile purchases, retirement planning, and estate planning. (Fall and Spring)

FIN 3032/5032. International Financial Management — 3 hrs.
This course examines the effects of currency value changes on the cash flows and decisions of the firm. The course centers around how multinational corporations identify, assess, and manage risks associated with doing business internationally. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 3040. Introduction to Personal Wealth Management — 3 hrs.
The course provides students the necessary knowledge and skills to enter the financial services industry and meet the education eligibility requirements to become a Certified Financial Planner (CFP). The course will cover two main areas of the CFP Curriculum: 1) General Financial Planning Principles, Professional Conduct, and Regulation; and 2) Risk Management, Insurance, and Employee Benefits Planning. Prerequisite(s): ACCT 2120; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 3050. Risk Management and Insurance — 3 hrs.
Fundamentals of risk and insurance as they apply to financial management. Prerequisite(s): junior standing. (Variable)

FIN 3055. Insurance Company Operations — 3 hrs.
In-depth study of management issues unique to insurance operations and companies from a functional perspective. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011; junior standing. (Variable)

FIN 3065/5065. Fixed Income Analysis — 3 hrs.
Principles and tools used to value fixed income securities and manage the risk of bond portfolios. Prerequisite(s): ACCT 2120; C- or better in FIN 3130/5130; FIN 3160/5160; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Spring)

FIN 3080. Special Problems — 1-3 hrs.
Credit determined at registration. Prerequisite(s): junior standing; consent of department head. (Variable)

FIN 3110. Principles of Real Estate — 3 hrs.
Introduction to nature of real estate, its value, and related decision analysis. Includes appraisal, investment analysis, location theory, financing, legal characteristics, and development. Prerequisite(s): junior standing. (Fall and Spring)

FIN 3115. Real Estate Law and Brokerage — 3 hrs.
Study of the law affecting real estate and its value, financing, conveyance, contractual obligations, and brokerage, including agency relationships. Prerequisite(s): FIN 3110; junior standing. (Fall and Spring)

FIN 3120. Real Estate Appraisal and Investment — 3 hrs.
Introduction to valuation techniques of real estate. Includes coverage of market analysis, highest and best use analysis, investment analysis

and the three approaches to value. Prerequisite(s): FIN 3110; junior standing. (Fall and Spring)

FIN 3125. Real Estate Finance — 3 hrs.
Introduction to concepts, techniques, and instruments integral to the financing of real estate. Includes a discussion of financial markets and institutions related to real estate financing as well as alternative real estate financing. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 3130/5130. Corporate Finance — 3 hrs.
Introductory course in corporate finance relating to the role of the finance function within the corporate enterprise. Graduate students completing this course will be required to complete a graded, written case covering financial management and capital budgeting. Prerequisite(s): ACCT 2120; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall, Spring, Summer)

FIN 3135. Intermediate Financial Management — 3 hrs.
Examination of the tools, concepts, and theories of financial management. Topics include working capital management, capital budgeting, financial theory, and financial modeling. Prerequisite(s): ACCT 2120; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 3160/5160. Principles of Investments — 3 hrs.
Investment decision making, analysis, and management. Includes descriptive analysis of various investment media, techniques of value analysis, and basic topics in portfolio management. Prerequisite(s): ACCT 2120; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 3170/5170. Commercial Bank Management — 3 hrs.
Study of major decisions and policies involved in management of commercial banks in the context of asset/liability management. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 3179. Cooperative Education in Finance — 1-3 hrs.
Compensated work experience in conjunction with an academic project conducted under faculty guidance. Offered on credit/no credit basis only. Prerequisite(s): 3.00 cumulative UNI GPA; consent of department head. (Fall, Spring, Summer)

FIN 3210. Financial Modeling and Analytics — 3 hrs.
This course aims to develop the financial modeling and analytical skills used in the application of financial theories to practical problems in fundamental analysis, investment analysis, and portfolio management. Students are expected to learn and use statistical tools in data analysis and predictions. Prerequisite(s): ACCT 2120; C- or better in FIN 3130/5130; FIN 3160/5160; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 4040. Principles of Personal Wealth Management — 3 hrs.
The course provides students the necessary knowledge and skills to enter the financial services industry and meet the education eligibility requirements to become a Certified Financial Planner (CFP). The course will cover two main areas of the CFP Curriculum: 1) Tax Planning, and 2) Estate Planning. Prerequisite(s): ACCT 2120; FIN 3040; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 4145. Advanced Financial Management — 3 hrs.
In-depth examination of the tools, concepts, and theories of financial management. Topics include working capital management, capital budgeting, financial theory, and various appropriate analytical tools. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; FIN 3135; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 4150/5150. Securities Analysis — 3 hrs.
Enables students to perform the tasks of a financial analyst in the investment environment. Focuses on equity analysis and portfolio management using different methods to value securities. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; FIN 3160/5160; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Spring)

FIN 4155/5155. Options and Futures — 3 hrs.
Expands upon a basic understanding of financial derivatives learned in the Principles of Investments course to include pricing models and risk management techniques. It explores the workings of the derivative markets for options and futures as well as theoretical pricing aspects and models for those markets. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; FIN 3160/5160; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall)

FIN 4190. Advanced Real Estate Cases — 3 hrs.
Students will apply the tools and concepts used in the analysis of real estate assets. Students as teams will analyze actual properties for their development or redevelopment potential and create a plan consistent with their analysis that will be presented to the owner/manager of the property. Prerequisite(s): ACCT 2120; ACCT 2130; FIN 3110; FIN 3115; FIN 3120; FIN 3125; C- or better in FIN 3130/5130; FIN 3135; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Spring)

FIN 4270. Applications of Personal Wealth Management — 3 hrs.
The course provides students the necessary knowledge and skills to enter the financial services industry and meet the education eligibility requirements to become a Certified Financial Planner (CFP). The course will cover two main areas of the CFP Curriculum: 1) Retirement Planning, and 2) Case Studies and Applications. Prerequisite(s): ACCT 2120; FIN 3040; C- or better in FIN 3130/5130; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421; junior standing. (Fall and Spring)

FIN 4410. CFA Review — 3 hrs.
This course focuses on topics needed to pass the CFA (Chartered Financial Analyst) Level I Exam. Primary areas include Ethics, Quantitative Methods, Economics, Corporate Finance, Equity Analysis and Fixed Income. Prerequisite(s): ACCT 2120; ACCT 2130; C- or better in FIN 3130/5130; FIN 3160/5160; STAT 1772 or equivalent; ECON 1041; ECON 1051; ECON 1011 or MATH 1421. (Spring)

FIN 6266. Financial Management and Markets — 3 hrs.
In-depth examination of tools, concepts, theories, and analysis of managerial finance integrated with case applications. Students expected to apply concepts from managerial finance in analyzing, presenting, and discussing cases at an advanced level. Prerequisite(s): FIN 3130/5130 or equivalent; consent of MBA Director. (Variable)

FIN 6285. Individual Readings — 1-3 hrs.
Directed readings and reports. Prerequisite(s): consent of MBA Director. (Variable)

FIN 6297. Practicum — 2 hrs.
Prerequisite(s): consent of MBA Director. (Variable)

FIN 6299. Research — 1-6 hrs.
Prerequisite(s): consent of MBA Director. (Variable)

French Courses (FREN)

Courses

FREN 1001. Introduction to French Language and Culture I — 3 hrs.
Development of listening comprehension, speaking, reading and writing, and cultural literacy. (Fall and Spring)

FREN 1002. Introduction to French Language and Culture II — 3 hrs.
Continuation of FREN 1001. This course (with FREN 1001) satisfy the university foreign language exit requirement. Prerequisite(s): FREN 1001 or equivalents. (Fall and Spring)

FREN 1011. French Communication Practice I — 2 hrs.
Practice (both live and computer-mediated) to reinforce and broaden the development of language and culture. Prerequisite(s) or corequisite(s): FREN 1001 or equivalent. (Fall and Spring)

FREN 1012. French Communication Practice II — 2 hrs.
Oral practice (both live and computer-mediated) to reinforce and broaden the development of language and culture. Prerequisite(s): FREN 1001 or equivalent. (Fall and Spring)

FREN 2001. Intermediate French Language and Culture — 3 hrs.
Thorough review of patterns of French; development of vocabulary and emphasis on listening comprehension, speaking, reading and writing, and cultural literacy. Prerequisite(s): FREN 1002 or equivalent. (Variable)

FREN 2002. Composition — 3 hrs.
Continuation of FREN 2001, leading to free composition. Prerequisite(s): FREN 2001 or equivalent. (Variable)

FREN 2011. Topics in French Conversation: _____ — 3 hrs.
Oral practice (both live and computer-mediated) at the intermediate level to reinforce and broaden the development of language and culture. May be repeated once on different topic. Prerequisite(s) or corequisite(s): FREN 1002 or equivalents. (Variable)

FREN 2012. Advanced Topics in French Conversation: ____ — 3 hrs.
Oral practice (both live and computer-mediated) at the advanced low level with a wide range of subjects, vocabulary, and structures. May be repeated once on different topic. Prerequisite(s): FREN 2001 or equivalent. (Variable)

FREN 3001/5001. Advanced Composition — 3 hrs.
Analysis of major morphological and syntactical structures of the French language, with contrasting grammatical and linguistic approaches to problems of correct usage. Emphasis on successful application of principles. May be repeated once with consent of instructor. Prerequisite(s): FREN 2002; junior standing. (Variable)

FREN 3002. French to English Translation — 3 hrs.
Introduction to translation techniques involved in translation of French into English. Topics selected from varied magazines dealing with business, culture, and general information. Prerequisite(s): FREN 2002 or consent of instructor. (Variable)

FREN 3003/5003. Advanced Conversation — 3 hrs.
Development and improvement of oral fluency through free and guided conversation. May be repeated once with consent of instructor. Prerequisite(s): FREN 2002; FREN 2012; or consent of instructor; junior standing. (Variable)

FREN 3004. Introduction to Literature in French — 3 hrs.
Selected major works of representative French authors. Application of language skills to literary analysis and introduction to critical theories. Prerequisite(s): required French language proficiency or equivalent. (Variable)

FREN 3011/5011. Business French — 3 hrs.
Introduction to current business concepts and practices in French-speaking countries. Reading and interpreting business information, and reading and writing basic business correspondence. Prerequisite(s): FREN 3001/5001 or equivalent; junior standing. (Variable)

FREN 3085/5085. Introduction to Translation — 3 hrs.
Introduction to journalistic and technical translation using varied textual materials (public media, scholarly, and professional texts), from English to French and French to English. May be repeated once. Prerequisite(s): FREN 3001/5001 or equivalent; junior standing. (Variable)

FREN 4005/5005. Stylistics — 3 hrs.
Introduction to stylistic analysis. Development of style in composition through study of excerpts from contemporary French works and literary translation into French. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): FREN 3001/5001 or equivalent. (Variable)

FREN 4014/5014. The World of French Business — 3 hrs.
Study of various aspects of French culture relevant to the business world. Prerequisite(s): FREN 3001/5001 or equivalent; junior standing. (Variable)

FREN 4021/5021. Special Topics in Language and Culture — 3 hrs.
Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): FREN 3001/5001; FREN 3004; or equivalents; junior standing. (Variable)

FREN 4022/5022. Special Topics in French Literature — 3 hrs.
Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): FREN 3001/5001; FREN 3004; or equivalents; junior standing. (Variable)

FREN 4024/5024. French Civilization — 3 hrs.
Aspects of French history and culture up to the 19th Century. Prerequisite(s): FREN 3001/5001 or equivalent; junior standing. (Variable)

FREN 4025/5025. Contemporary France — 3 hrs.
Survey of recent developments in France: its people, customs and way of life, institutions, geography, economy, and art. May be repeated once through study abroad. Prerequisite(s): FREN 3001/5001 or equivalent; junior standing. (Variable)

FREN 4028/5028. Special Topics in Francophone Literature — 3 hrs.
Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): FREN 3001/5001; FREN 3004; or equivalents; junior standing. (Variable)

FREN 4044/5044. Special Topics in French Cinema — 3 hrs.
Study of French films. Various topics in the areas of history, culture, cinematic genres, directors and screen adaptations of literary works. Prerequisite(s): FREN 3001/5001 or equivalent; junior standing. (Variable)

FREN 4081/5081. Advanced Business French — 3 hrs.
Study of current business concepts and practices in French-speaking countries through systematic analysis of business-related topics based on authentic reading materials and business communications. Prerequisite(s): FREN 3011/5011 or consent of instructor; junior standing. (Variable)

FREN 4091. Practicum in Teaching French — 1-3 hrs.
Participants acquire knowledge of foreign language methodologies through practical applications, including lesson planning, class observations, materials development, and technology integration. Required for students in second language acquisition and foreign-language teacher education programs. Prerequisite(s): FREN 3001/5001. (Variable)

FREN 5186. Studies in French Methodology — 1 hr.
Studies in French Methodology

FREN 6001. Advanced Composition and Stylistics — 3 hrs.
Study of stylistic devices; examination of principal morphological, syntactical, and semantic problems. (Variable)

FREN 6003. Structure of French — 3 hrs.
Phonology, morphology, and syntax of current French, stressing areas of French structure which cause problems for native speakers of English. (Variable)

FREN 6025. Translation Strategies — 3 hrs.
Study of translation theories and practical applications of translation techniques (including newer technologies) with a variety of texts drawn from daily life, literary, commercial, legal, and other professional sources. (Variable)

FREN 6070. French Literature in Review I — 3 hrs.
Chronological review of major periods; works and writers of French literature from the Middle Ages through the Age of Enlightenment. Focus on development of each literary genre. Primarily for students planning to take M.A. comprehensives in French. Prerequisite(s): graduate standing or consent of instructor. (Variable)

FREN 6071. French Literature in Review II — 3 hrs.
Chronological review of major periods; works and writers of French literature from 19th century to present. Focus on development of each literary genre. Prerequisite(s): graduate standing or consent of instructor. (Variable)

Geography Courses (GEOG)

Courses

GEOG 1110. Global Geography — 3 hrs.
Global geography is the study of people, places and the connections between them. How people give meaning and character to different places, and how the growing level of interdependence between those places shape and reshape the cultural, political, economic, and environmental nature of individual societies and global society as a whole. (Fall, Spring, Summer)

GEOG 1120. Peoples, Cultures, and Environments — 3 hrs.
Spatial perspectives on the dynamics of socio-cultural and human-environmental interactions, including processes, patterns, and systems examined from local to global scales of analysis. Through these perspectives, the course examines global human diversity and commonality via topics that include globalization, culture, population, sustainability and economies, while incorporating theories, findings, and works that illuminate the human condition. (Fall, Spring, Summer)

GEOG 1210. Planet Earth — 3 hrs.
We live in a swiftly changing world characterized by rapidly changing climates, shifting landscapes, growing human populations with degrading soil and water resources. Now, more than ever, it is essential to understand how Earth systems work, how they affect our livelihoods, and how we are altering them. The course has three objectives: 1) to provide a basic understanding of the most important processes shaping the Earth's physical systems; 2) to convince you of the dynamic nature of these systems, in part because of human activity; and 3) to help you understand the environmental systems of particular places so that you might use this background to explore these further and see how they change over time. Many students take this course to fulfill a LAC requirement. Others use it as a gateway to majors and careers in Geography, Natural Resources Management, and Environmental Science. (Fall, Spring, Summer)

GEOG 1211. Planet Earth Laboratory — 1 hr.
We live in a swiftly changing world characterized by rapidly changing climates, shifting landscapes, growing human populations with degrading soil and water resources. Now, more than ever, it is essential to understand how Earth systems work, how they affect our livelihoods, and how we are altering them. This laboratory course compliments and enhances students understanding of the content and scientific reasoning skills presented in GEOG 1210 thorough a series of applied laboratory activities. Prerequisite(s) or corequisite(s): GEOG 1210. (Fall and Spring)

GEOG 1310. Digital Earth — 3 hrs.
Survey of maps and map communication principles with a focus on digital maps and dynamic mapping applications. Emphasis on reading, analysis, and interpretation of information on maps. (Fall)

GEOG 2120. North American Cities — 3 hrs.
Principles of urban geography, including urban growth and change, structure and dynamics, and analysis and planning in North American cities. (Fall)

GEOG 2210. Modern Climate Change: Evidence and Predictions — 3 hrs.
Brief overview of the climate system. Examination of the evidence for recent global and regional climate changes. Analysis of the importance of greenhouse gases, solar changes, aerosols, and cloud changes as contributors to climate changes. (Fall)

GEOG 2240. Natural Hazards and Disasters — 3 hrs.
Examination of causes, physical processes, and geographic distribution of natural hazards. Discussion of prediction methods and social impact of such disasters. (Spring)

GEOG 2250. Nature-Society Relations — 3 hrs.
There is no relationship more fundamental to society than the one we have with our natural environment. This introductory course will explore human society's connection to food systems, climate change, urbanization and extinctions, while connecting local-scale phenomena with regional-, national-, and global-scale processes. (Spring)

GEOG 2260. Environmental Resource Management — 3 hrs.
This course provides an overview of issues and training in the accepted approaches to contemporary environmental management and sustainability, both in general and in the context of the state of Iowa. The objective of this course is to provide the theoretical background for critical analysis of resource management issues and applied

problems in both for-profit and non-profit contexts, including but not limited to, government agencies, public park areas, public and private conservancies, and corporate environmental management contexts. Prerequisite(s): GEOG 1210 or EARTHSCI 1300; BIOL 2051; or consent of instructor. (Fall)

GEOG 2270. Science of Scenery — 3 hrs.
Exploring the core concepts of geomorphology and biogeography in the context of the landscapes of North American national parks and protected places. Prerequisite(s): GEOG 1210 or EARTHSCI 1300. (Odd Springs)

GEOG 2320. Drones for Mapping and Communication — 3 hrs.
This course will provide an overview of aspects related to unmanned aerial systems (UAS) operations for both environmental mapping and communication purposes. Topics will include: Basic aviation knowledge, current UAS regulations, flight control systems, UAS platforms/sensors, basic aerial mapping techniques, and aerial photography/videography for communications. Students will engage in classroom and field exercises and will gain hands-on experience with data collection using a variety of UAS. Field trips are required. (Fall)

GEOG 2350. Intro to Environmental Data Analysis — 3 hrs.
Scientific computing is becoming a core component of many earth and environmental sciences. This course focuses on the application scientific computing principles to analyze and visualize environmental data. Analysis tasks will range from basic data processing to full statistical analysis. For this course we will be using Python, a widely used, open source, general-purpose, and high-level programming language. It is easy to read and easy to learn. Python is increasingly being used for data analysis in scientific research for everything from basic statistics to complex computer models. No prior programming skills/experience are needed. (Even Springs)

GEOG 2410. Geographic Information Systems I — 3 hrs.
Fundamental concepts and operations of Geographic Information Systems with applications. Lectures are supplemented by computer-based projects. Lecture, 2 periods; lab 2 periods. (Fall and Spring)

GEOG 2420. Cartographic Design — 3 hrs.
Application of cartographic principles and techniques in compiling thematic maps. Emphasis on cartographic production including the use of map projections, data characterization and symbolization, graphing, color use, typographic and design elements, and thematic mapping techniques. (Spring)

GEOG 2450. Regional Geography: (Variable Topic) — 3 hrs.
Study of geography of selected region including evolution and dynamics of its cultural, social, economic, political, and environmental dimensions. May be repeated on different regions. (Variable)

GEOG 3110. Economic Geography — 3 hrs.
Analysis of changing spatial structure of the economy and inter-relationships between geography and economics within a global perspective. (Odd Springs)

GEOG 3179. Cooperative Education in Geography — 1-3 hrs.
Practical experience in business, industry, or a government agency. May be repeated for maximum of 3 hours. Offered on credit/no credit basis only. Prerequisite(s): 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department. (Fall, Spring, Summer)

GEOG 3186. Studies in (Variable Topics).
Studies in (Variable Topics) (Variable)

GEOG 3220. Environmental Geography: Variable Topic — 3 hrs.
Study of geographic dimension of human-environmental interaction. Historical perspectives on Earth's environmental problems, the place of humankind in ecological systems, and issues of sustainable development. May be repeated on different topics. Prerequisite(s): GEOG 1120 or GEOG 1210 or GEOG 2210 or GEOG 1110 or consent of instructor. (Variable)

GEOG 3380. Remote Sensing of the Environment — 3 hrs.
Examination of physical basis of Remote Sensing and various sensing systems available for monitoring, mapping, measuring, and identifying phenomena on the earth's surface. Emphasis on non-photographic systems operating within the electromagnetic continuum. Various modes of multispectral scanning. Lecture, 2 periods; lab, 2 periods. (Fall)

GEOG 3410. Geographic Information Systems II — 3 hrs.
Technical issues in GIS and ways of implementing GIS as a decision support system for solving problems of a spatial nature in selected fields. Lecture, 2 periods; lab, 2 periods. Prerequisite(s): GEOG 2410 or consent of instructor; junior standing. (Spring)

GEOG 3450. Global Positioning System Field Survey Methods — 3 hrs.
Utilization of global positioning system (GPS) to collect, process, and analyze geographic data. GPS theory and techniques including field survey experiences. Applications within an integrated geographic information system (GIS) framework. (Fall)

GEOG 3580. Readings in Geography — 1-3 hrs.
Maximum of 3 hours can be applied toward Geography major. Prerequisite(s): consent of department head. (Fall, Spring, Summer)

GEOG 3598. Research Experience in Geography — 1-3 hrs.
Conducting of supervised research or scholarly project. May be repeated for maximum of 6 hours. Prerequisite(s): 15 hours of geography; consent of instructor. (Fall, Spring, Summer)

GEOG 3778/5778. Spatial Data Analysis — 3 hrs.
Analysis and interpretation of spatial point processes, area, geostatistical and spatial interaction data. Applications to geographic data in real estate, biology, environmental and agricultural sciences using S-Plus software. Prerequisite(s): STAT 1774 or STAT 1772 or SOC SCI 2020; junior standing. (Same as STAT 3778/5778) (Odd Springs)

GEOG 4110/5110. Cultural Geography — 3 hrs.
Examination of the nature and dynamics of culture relative to issues and landscapes that arise out of the interactions between people and their physical and human environments. Special emphasis on socio-economic development and the process of globalization. Prerequisite(s): junior standing. (Odd Springs)

GEOG 4115/5115. Climate Change and Social Justice — 3 hrs.
This is a participatory action research focused class where students engage in research on climate change social justice issues in and around Iowa. Prerequisite(s): junior standing. (Fall)

GEOG 4120/5120. Demography and Population Geography — 3 hrs.
Geographic perspectives on demography and migration in a changing world. Patterns, processes, and models of population structure, change, distribution, and movement. Relationships with complex spatial mosaic of socioeconomic and environmental systems. Elements of population analysis and geodemographics. Prerequisite(s): junior standing. (Even Springs)

GEOG 4170/5170. Climate Action Planning — 3 hrs.
An introduction to the urban planning process, with a focus on climate action planning. The course includes a discussion of climate action best practices from cities around the world, as well as opportunities for actual community engagement in Iowa cities and towns to develop strategies for greenhouse gas reduction and other practices to enhance sustainability. Prerequisite(s): junior standing. (Spring)

GEOG 4220/5220. Soils and Landscapes — 3 hrs.
Study of soils as result of inter-relationships among climates, ecosystems, and landscapes of the world. Soil formation, distribution, properties, and classification, and applications of soil geography to other disciplines. Lecture, 2 periods; lab/field trips, 2 periods. Prerequisite(s): EARTHSCI 1300 or GEOG 1210; junior standing. (Odd Falls)

GEOG 4230/5230. Rivers — 3 hrs.
Runoff processes, stream discharge, sediment transport, drainage basins, properties of alluvium, channel changes, floodplains, terraces, human adjustments to floods, human impacts on rivers, and river water quality. Prerequisite(s): junior standing. (Even Springs)

GEOG 4240/5240. The Ice Age — 3 hrs.
Study of earth systems, long-term environmental change, and methods used to detect such change. Evidence of environmental changes resulting from glacial-interglacial conditions and how large scale changes in Earth climate systems affect environmental systems. Prerequisite(s): GEOG 1210; GEOG 2210; EARTHSCI 1300 or consent of instructor; junior standing. (Even Falls)

GEOG 4250/5250. Laboratory Methods in Environmental Geography — 3 hrs.
Intended to make students proficient in the common laboratory techniques used for analyzing soil and sediments for environmental geography. Prerequisite(s): EARTHSCI 1300 or GEOG 1210; junior standing. (Even Springs)

GEOG 4310/5310. GIS Applications: (Variable Topic) — 3 hrs.
GIS techniques to conduct spatial analysis of social and environmental topics. Focus on an individual research project and associated functional capabilities of GIS packages. Variable social/environmental focus. May be taken more than once for credit. Prerequisite(s): GEOG 2410; junior standing. (Spring)

GEOG 4335/5335. Web Mapping and GIS — 3 hrs.
An applied course examining state of the art web mapping and Geographic Information Systems server technologies. Students will gain hands on experience utilizing a variety of cloud-based technologies and simple scripting techniques to build web mapping applications and visualizations. Prior programming experience is not required. Prerequisite(s): GEOG 1310 or GEOG 2410 or consent of instructor; junior standing. (Odd Falls)

GEOG 4380/5380. Satellite Image Processing — 3 hrs.
Scientific and computational foundation of digital image processing techniques for extraction of earth resources information from remotely sensed satellite data. Prerequisite(s): GEOG 3380; junior standing. (Even Springs)

GEOG 4385/5385. Advanced Unmanned Aerial Systems Mapping — 3 hrs.
This class will provide an in-depth training on the uses of unmanned aerial systems (UAS) for environmental mapping. Topics will include: photogrammetry, advanced remote sensing, geospatial data accuracy, aerial photography survey design, and geospatial data processing/post-processing. Students will engage in classroom and field exercises and will gain hands-on experience with data collection using a variety of UAS. Field trips are required. Prerequisite(s): GEOG 3380 or consent of instructor; junior standing. (Spring)

GEOG 4390/5390. GIS Programming — 3 hrs.
An applied course in Python programming for ArcGIS automation and customization. Students will gain hands-on experience with ArcGIS Geoprocessing framework, basic programming concepts, Python fundamentals, and writing Python scripts for geoprocessing and map automation. Prior programming experience is not required. Prerequisite(s): GEOG 2410 or consent of instructor; junior standing. (Even Falls)

GEOG 4530. Geography for Social Science Education — 3 hrs.
This course is intended for secondary social science teaching majors to focus on geography. It will cover the geographic approach, foundational knowledge in geography (human, physical, and geospatial), the use of online GIS, and the application of this material in the K-12 education setting. Prerequisite(s): GEOG 1110 or GEOG 1120; GEOG 1210. (Spring)

GEOG 4550. Senior Seminar in Geography — 3 hrs.
Examination of specific topics through application of geographic principles and analysis. Discussion of readings during first half semester and student presentations during second half semester. Research paper required. Prerequisite(s): 21 hours of geography. (Spring)

GEOG 4560. Professional Seminar — 1 hr.
Issues and opportunities involved in transition from undergraduate to professional life. Design and completion of essential documents including resume, professional portfolio, graduate program applications, and standardized examinations. Prerequisite(s): junior standing. (Fall)

GEOG 5150. Regional Geography: (Variable Topic) — 3 hrs.
Study of geography of selected region including evolution and dynamics of its cultural, social, economic, political, and environmental dimensions. May be repeated on different regions. (Fall and Spring)

GEOG 5270. Science of Scenery — 3 hrs.
Exploring the core concepts of geomorphology and biogeography in the context of the landscapes of North American national parks and protected places. Prerequisite(s): GEOG 1210 or EARTHSCI 1300. (Odd Springs)

GEOG 5320. Geographic Information Systems II — 3 hrs.
Technical issues in GIS and ways of implementing GIS as a decision support system for solving problems of a spatial nature in selected fields. Lecture, 2 periods; lab, 2 periods. Prerequisite(s): GEOG 2410 or consent of instructor; junior standing. (Spring)

GEOG 5350. Global Positioning System Field Survey Methods — 3 hrs.
Utilization of global positioning system (GPS) to collect, process, and analyze geographic data. GPS theory and techniques including field survey experiences. Applications within an integrated geographic information system (GIS) framework. (Fall)

GEOG 5360. Cartographic Design — 3 hrs.
Application of cartographic principles and techniques in compiling thematic maps. Emphasis on cartographic production including the use of map projections, data characterization and symbolization, graphing, color use, typographic and design elements, and thematic mapping techniques. (Fall)

GEOG 5370. Remote Sensing of the Environment — 3 hrs.
Examination of physical basis of Remote Sensing and various sensing systems available for monitoring, mapping, measuring, and identifying

phenomena on the earth's surface. Emphasis on non-photographic systems operating within the electromagnetic continuum. Various modes of multispectral scanning. Lecture, 2 periods; lab, 2 periods. (Fall)

GEOG 6000. Graduate Colloquium — 1 hr.
Weekly presentations by a faculty member, visitor, or student. May be repeated for maximum of 2 hours. (Fall and Spring)

GEOG 6010. Geographic Research Methods — 3 hrs.
The purpose of this course is to develop an appreciation for the process of research as practiced by contemporary professional geographers. Topics covered include formulating research problems, reviewing and critiquing published literature, developing and executing a research design, institutional review boards, funding programs, proposal writing and application, and completing a research project. (Spring)

GEOG 6285. Readings in Geography — 1-3 hrs.
May be repeated. Prerequisite(s): consent of department head. (Fall, Spring, Summer)

GEOG 6286. Studies In: (Variable Topics).
Studies In: (Variable Topics) (Variable)

GEOG 6299. Research.
Prerequisite(s): consent of department. (Fall, Spring, Summer)

GEOG 6550. Seminar — 3 hrs.
Topics listed in Schedule of Classes. May be repeated on different topics. (Variable)

GEOG 6598. Directed Research Project — 3 hrs.
Research leading to research paper for students in the non-thesis option. Prerequisite(s): GEOG 6010. (Fall, Spring, Summer)

German Courses (GER)

Courses

GER 1001. German Language and Culture I — 3 hrs.
For beginners. Introduction to language and cultures of the German-speaking peoples. Not recommended for students who have had two or more years of German in high school or equivalent. (Fall and Spring)

GER 1002. German Language and Culture II — 3 hrs.
Continuation of GER 1001. Not recommended for students who have had three or more years of German in high school or equivalent. Prerequisite(s): GER 1001 or equivalent. (Fall and Spring)

GER 1011. German Communication Practice I — 2 hrs.
Practice of basic language skills through guided exercises, including use of lab components. Not recommended for students who have had two or more years of German in high school or equivalent. Corequisite(s): GER 1001. (Fall and Spring)

GER 1012. German Communication Practice II — 2 hrs.
Continuation of GER 1001 and GER 1011. Not recommended for students who have had three or more years of German in high school or equivalent. Prerequisite(s): GER 1001; GER 1011; or equivalents. Corequisite(s): GER 1002. (Fall and Spring)

GER 1120. Introduction to German Literature in Translation — 3 hrs.
Understanding and appreciating basic terms of German language literatures in English translation through close reading of literary texts. (Variable)

GER 2001. German Language and Culture III — 3 hrs.
Intermediate language course. Continued development of language skills. Review of essential German grammar. Discussion of cultural issues related to German-speaking countries. Prerequisite(s): GER 1002; GER 1012; or equivalents. (Variable)

GER 2002. German Language and Culture IV — 3 hrs.
Continuation of GER 2001 and GER 2011. Intermediate language course. Continued development of language skills. Review and expansion of vocabulary and grammatical structures. Discussion of cultural issues related to German-speaking countries. Prerequisite(s): GER 2001; GER 2011; or equivalents. (Variable)

GER 2011. German Communication Practice III — 2 hrs.
Practice of language skills at intermediate level, including use of lab components. Prerequisite(s): GER 1002; GER 1012; or equivalents. (Variable)

GER 2012. German Communication Practice IV — 2 hrs.
Continuation of GER 2001 and GER 2011. Practice of language skills at intermediate level, including use of lab components. Prerequisite(s): GER 2001; GER 2011; or equivalents. (Variable)

GER 3001/5001. German Writing Practice — 3 hrs.
Development of writing skills and grammar review. Prerequisite(s): GER 2002; GER 2012; junior standing. (Variable)

GER 3003/5003. German Conversation — 3 hrs.
Development of oral fluency through systematically-guided conversations on civilization topics and free conversation on topics of current interest. Structural, morphological, and phonetic exercises designed to meet needs of individual participant. Prerequisite(s): GER 2002; GER 2012; or equivalents; junior standing. (Variable)

GER 3004/5004. Introduction to German Literature — 3 hrs.
Selected major works of representative German authors. Application of language skills to literary analysis and introduction to critical theories. Prerequisite(s): GER 2002; GER 2012; or equivalents; junior standing. (Variable)

GER 3034. German Literature and Cinema — 3 hrs.
Study of cinematic adaptations of various literary works, and an introduction to major achievements in German cinematic history. Prerequisite(s): GER 3001/5001 or GER 3003/5003 or equivalents. (Variable)

GER 3036. Current Events in the German-Language Media — 3 hrs.
Discussion and critical analysis of political, social, economic, and cultural developments and trends in contemporary German-speaking countries as reflected in a variety of media. Development of German language skills through listening, reading, speaking, and writing. Prerequisite(s): GER 3001/5001 or GER 3003/5003. (Variable)

GER 3334. Intercultural Perspectives — 3 hrs.
An interdisciplinary approach for understanding intercultural perspectives and developing effective intercultural skills for meeting the challenges of today's interconnectedness of societies and cultures both locally and globally. (Same as CAP 3165 and TESOL 3565) (Variable)

GER 4021/5021. Special Topics in Language and Culture — 3 hrs.
Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): GER 3001/5001; GER 3004/5004; or equivalents; junior standing. (Variable)

GER 4030. Folklore and Myths in German Literature — 3 hrs.
Literary study of forms and functions of folklore and myths in German language literature. Forms, functions, and influences on culture over time. Prerequisite(s): GER 3001/5001 or GER 3003/5003. (Variable)

GER 4050/5050. Contemporary Germany and Austria — 3 hrs.
In-depth analysis of political and social developments and cultural trends of post-war Germany and Austria. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): GER 3001/5001 or equivalent. (Variable)

GER 4085/5085. Introduction to Translation — 3 hrs.
Introduction to journalistic and technical translation using varied textual materials (public media, scholarly, and professional texts), from English to German and German to English. May be repeated once. Prerequisite(s): GER 3001/5001 or equivalent; junior standing. (Variable)

GER 4091. Practicum in Teaching German — 1-4 hrs.
Participants acquire knowledge of foreign language methodologies through practical applications, including lesson planning, class observations, materials development, and technology integration. Required for students in second language acquisition and foreign-language teacher education programs. Prerequisite(s): GER 3001/5001. Prerequisite(s) or corequisite(s): LANG 4090. (Variable)

GER 6001. Academic Writing and Research Strategies in German — 3 hrs.
Development of discipline-specific writing and research skills, including investigation into grammatical structures and stylistic problems in the study of German. (Variable)

GER 6025. Translation Strategies — 3 hrs.
Study of translation theories applied to readings drawn from daily life, literature, business, legal, and other professional sources. Includes use of new technologies for translation. (Variable)

Gerontology Courses (GERO)

Courses

GERO 2111. Families and End of Life Issues — 3 hrs.
Overview of individual, familial, social, and cultural aspects of death, dying and the bereavement process. Topics include final planning, palliative care, funeral rituals, and grief. Prerequisite(s): sophomore standing. (Same as FAM SERV 2111) (Variable)

GERO 3161/5161. Families, Alzheimer's and Related Dementias — 3 hrs.
Exploration of issues pertaining to Alzheimer's Disease and related dementias. Examination of challenges associated with memory disorders. Strategies for supporting affected individuals and families. Cannot receive credit in both FAM SERV 3161/5161 and GERO 3161/5161. Prerequisite(s): junior standing. [Same as FAM SERV 3161/5161] (Variable)

GERO 3192/5192. Research in Gerontology — 1-3 hrs.
Conduct supervised research and/or scholarly project. Prerequisite(s): research methods course; junior standing; consent of instructor. (Variable)

GERO 3194/5194. Problems in Gerontology — 1-4 hrs.
Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

GERO 4170/5170. Long Term Care Administration — 3 hrs.
Study of long term care administration including social services, dietary, legal aspects; nursing; environmental services, activities/community resources; business administration; administrative organization, and human resource management. Prerequisite(s): Gerontology: LTC administration majors only; junior standing; department approval. (Odd Springs)

GERO 4184/5184. Topics in Gerontology — 1-3 hrs.
Selected topics relating to current issues in gerontology. Topics to be announced in the Schedule of Classes. May be repeated on different topics for maximum of 6 hours. Prerequisite(s): junior standing. (Variable)

GERO 4193. Internship Seminar — 1 hr.
Process seminar to focus on and maximize student learning from their internship experiences and aid in their development of professional practices. May be repeated for maximum of 2 hours. Corequisite(s): GERO 4195 or HPE 4768 or SOC 3100. (Variable)

GERO 4195. Internship in Gerontology.
Supervised experience in approved work situation. Transfer students must complete one full semester in residence before being approved for internship.
Sec. 1. Social Sciences track - 3 hrs.
Sec. 2. Long Term Care track - 1-12 hrs. May be repeated for maximum of 12 hours. Prerequisite(s): consent of instructor. (Variable)

GERO 4198. Independent Study in Gerontology — 1-6 hrs.
(Variable)

Health, Recreation and Community Services Courses (HRCS)

Courses

HRCS 4000. Professional Readiness Seminar — 3 hrs.
Professional readiness seminar builds academic, communication, and critical thinking skills needed to successfully meet the challenges you will encounter in the workplace. The focus of the course is on development of professional tools including portfolios, resumes, interviewing skills, relevant certifications, and internship placements. This course is a prerequisite to RTNL, AT and PH internship. Prerequisite(s): Senior standing, instructor consent. (Fall and Spring)

HRCS 6000. Foundations of Community Health and Recreation — 3 hrs.
Analysis of philosophical foundations and ethical principles related to community health and recreation. (Fall)

HRCS 6290. Research Methods in Health, Recreation and Community Services — 3 hrs.
This course discusses quantitative, qualitative and mixed method research design and procedures for topics in recreation, public health, and community services. Graduate students will compare different forms of qualitative and quantitative methodologies to determine the appropriate research approach for a selected topic. (Spring)

HRCS 6299. Research.
Fee assessed separately for laboratory materials and/or binding of thesis/research paper. Prerequisite(s): consent of department. (Fall, Spring, Summer)

History Courses (HIST)

Courses

HIST 1010. Introduction to Historical Skills — 3 hrs.
This course is designed to introduce students to methods and practices of historical research, analysis and writing. It is a discussion-based and collaborative seminar in which students work on and demonstrate the acquisition of historical skills by producing an original research paper using primary and secondary sources. History majors should take this class immediately after the major is declared. Corequisite(s): HIST 1011 required for History majors only. (Fall and Spring)

HIST 1011. Field Experience: Public History — 1 hr.
Students spend 15 hours working on a public history project in a local institution. This seminar provides opportunities for orientation, discussion, and introduction to professions related to the major. Corequisite(s): HIST 1010 required for History majors only. (Fall and Spring)

HIST 1023. History of the United States — 3 hrs.
Study of key individuals and major political, economic, social, and cultural events that have shaped U.S. history. This is a Liberal Arts Core course and will NOT fulfill History major requirements. (United States History course) (Variable)

HIST 1110. United States History to the Civil War and Emancipation — 3 hrs.
This course introduces students to major political, economic, social and cultural developments and conflicts in American history through the Civil War and the end of slavery. Particular attention will be paid to roles of women and men from diverse racial, ethnic and class backgrounds in shaping history. (United States History course) (Fall and Spring)

HIST 1120. United States History since the Civil War and Emancipation — 3 hrs.
This course introduces students to major political, economic, social and cultural developments and conflicts in American history from the end of slavery to the present. Particular attention will be paid to roles of women and men from diverse racial, ethnic and class backgrounds in shaping history. (United States History course) (Fall and Spring)

HIST 1210. Making the Modern World — 3 hrs.
A survey of global history from 1800 to the present, examining the events and processes that shaped the contemporary world. (World History course)

HIST 2011. Engaging Sources: (Topic) — 3 hrs.
This class explores a particular genre of created source in its historical and cultural context. Students conduct and present original research, contribute to an exhibit or digital archive, and create or design their own example of the genre. May be repeated on different topics. (Fall and Spring)

HIST 3010. Readings in History — 1-3 hrs.
Student will choose one of the following areas: (1) Ancient; (2) Medieval; (3) English; (4) French; (5) German; (6) Russian; (7) United States; (8) Latin American; or (9) Asian (India, China, and Japan). Prerequisite(s): consent of department head; for the field of U.S. History, 9 semester hours in U.S. History; for each of the other fields, 9 hours in history other than U.S., which must include 3 hours related to the particular field to be studied. (Fall, Spring, Summer)

HIST 3110. Conflict and Justice in History: (Topic) — 3 hrs.
Conflict and Justice in History courses explore how competing social, cultural, economic, and political interests or visions have shaped concepts such as justice, responsibility, ethics, and values in different historical contexts. May be repeated on different topics. (Fall and Spring)

HIST 3210. Problems & Perspectives in Global History: (Topic) — 3 hrs.
A thematic exploration of global history, emphasizing diversity and the comparative study of the human condition in historical perspective. May be repeated on different topics. (Fall and Spring)

HIST 4000. Senior Seminar in Advanced Historical Skills — 3 hrs.
History 4000 seminars are advanced-level seminars that focus on a specific historical topic/theme/area. They are designed to build on and refine the research, analytical and writing skills gained in HIST 1010: Introduction to Historical Skills. They are discussion-based seminars that provide an opportunity for students to focus in-depth on a specific historical topic and are organized around the production of an original historical research paper using primary and secondary sources. May be repeated on different topics. Prerequisite(s): for History majors: HIST 1010; senior standing. For non-History majors: consent of instructor. (Fall and Spring)

HIST 4003/5003. Collections Care and Management — 3 hrs.
This course will present topics in museums collections management ranging from object/artifact handling, storage, loaning and conservation to museum ethics, acquisitions, policy-making and research to donors, fundraising, marketing, and education. In addition, the course will cover discussions of what constitutes a museum and why museums collect. Museum professionals from both the UNI Museum and UNI Gallery of Art will present all topics, and classes will include an experiential component that will allow students a more personal involvement with historical artifacts and art objects. Students will be given the opportunity to work with a variety of museum professionals and will engage in real-world museum concerns. Prerequisite(s): junior standing.[Same as ARTHIST 4003/5003] (Fall)

HIST 4010/5010. Introduction to Public History — 3 hrs.
Exploration of the critical methodologies and practices of historians working in non-academic settings. Examination of the various issues that historians confront in working with public audiences and instruction in the skills required to pursue a career in public history. (United States History course) Prerequisite(s): junior standing. (Fall)

HIST 4020/5020. Introduction to Museum Studies — 3 hrs.
Exploration of history, public mission, working environment, and ethical issues of museums. Discussion of practical skills and theoretical issues of museum studies, exposing students to broad range of museum types and career opportunities. Prerequisite(s): junior standing. (Same as ANTH 3440/5440) (Even Springs)

HIST 4030/5030. Internship in Historical Studies — 1-3 hrs.
Study and experience in public history settings. Coursework, either individual or collaborative, defined by instructor and/or site supervisor in conjunction with students. May be repeated for a maximum of 6 hours of undergraduate credit and a maximum of 6 hours of graduate credit. Prerequisite(s): junior standing. (Fall and Spring)

HIST 4110/5110. American Colonial History — 3 hrs.
17th- and 18th-century America; development of colonial societies in the New World and American Revolution era. (United States History course) Prerequisite(s): junior standing. (Fall)

HIST 4130/5130. The Early Republic, 1785-1850 — 3 hrs.
Political, economic, and social development of United States in years between American Revolution and end of Jacksonian era. (United States History course) Prerequisite(s): junior standing. (Variable)

HIST 4140/5140. Civil War and Reconstruction — 3 hrs.
Causes of the Civil War, nature of the conflict, and short- and long-range consequences of the war. (United States History course) Prerequisite(s): junior standing. (Fall)

HIST 4150/5150. Foundations of Modern America: The United States, 1877-1929 — 3 hrs.
Description and analysis of dramatic social, cultural, economic, and political changes occurring in the U.S. between the close of Reconstruction and the beginning of the Great Depression. (United States History course) Prerequisite(s): junior standing. (Even Falls)

HIST 4160/5160. U.S. History from 1929 to 1960 — 3 hrs.
U.S. history from the Great Crash through the Eisenhower Era, emphasizing the Great Depression and New Deal of 1930s, World War II at home and abroad in the 1940s, and postwar issues including the Cold War and economic prosperity. (United States History course) Prerequisite(s): junior standing. (Fall)

HIST 4170/5170. U.S. Environmental History — 3 hrs.
Exploration of various concepts of nature within the contexts of U.S. History. Treats the history of nature as a thing in itself, as something that has acted on Americans and that Americans have acted upon. Also explores nature as an idea that has changed over time. (United States History course) Prerequisite(s): junior standing. (Variable)

HIST 4175/5175. History on Film — 3 hrs.
History on Film explores the ways past events, peoples, and eras have been represented in movies. One of the course goals is to break down assumed and largely false boundaries between academic and popular history. Rather than simply debunk movies, the approach is to assess them in terms of the standards of professional history, to think about how these standards might make films better but also how the popularity of film might improve the practice of history. (United States History course) Prerequisite(s): junior standing. (Spring)

HIST 4180/5180. Recent United States History — 3 hrs.
History of the American people since 1960 with emphasis on domestic affairs. (United States History course) Prerequisite(s): junior standing. (Spring)

HIST 4198. Independent Study.
(Fall, Spring, Summer)

HIST 4200/5200. History of Iowa — 3 hrs.
Social, political, and economic developments in Iowa from prehistoric times to present. (United States History course) Prerequisite(s): junior standing. (Spring)

HIST 4235/5235. Popular Culture in the United States — 3 hrs.
Exploration of relationships between expressions of popular culture and the development of American values, political ideologies, and unconscious yearnings. Includes popular music, celebrities, literature, art, design, film, and various forms of mass media. (United States History course) Prerequisite(s): junior standing. (Spring)

HIST 4245/5245. African-American History — 3 hrs.
History of black Americans from African background into 1980s, with emphasis on period since end of slavery. (United States History course) Prerequisite(s): junior standing. (Fall)

HIST 4250/5250. Religion in America — 3 hrs.
Investigation of religious movements and beliefs from colonial times to present, with attention to religion and the U.S. Constitution. (United States History course) Prerequisite(s): junior standing. (Same as RELS 4230/5230) (Fall)

HIST 4260/5260. United States Women's History — 3 hrs.
This class explores major themes in the history of U.S. women from the pre-Columbian Era to the present. Putting women at the center of the historical narrative, it examines how ideas about gender have shaped both the everyday lives of Americans and U.S. society more generally, past and present. (United States History course) Prerequisite(s): junior standing. (Fall)

HIST 4270/5270. American Indian History — 3 hrs.
Survey of the North American Indian experience over four centuries, with emphasis on the 19th and 20th centuries. Focus on Native response to European colonialism, removal, allotment, termination, revitalization, urbanization, Red Power, and pan-Indian movements. (United States History course) Prerequisite(s): junior standing. (Spring)

HIST 4280/5280. The American Radical Tradition — 3 hrs.
A survey of American social activists working to achieve change, from the abolition of slavery to the present. It will pay particular attention to African-American, women's and working class history. (United States History course) Prerequisite(s): junior standing. (Spring)

HIST 4310/5310. History of Ancient Greece — 3 hrs.
Archaeology of the Aegean and the Minoan-Mycenaean civilization; Homeric period, classical civilization of Greece to Alexander the Great, and the Hellenistic Age; advent of the Romans. (World History course, Pre-1600 History Elective; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Odd Falls)

HIST 4320/5320. History of Ancient Rome — 3 hrs.
Roman Republic, expansion of Roman rule, Roman Empire, decline and fall of the empire in 5th century A.D. Comparison of the Romans as people with modern Americans. (World History course, Pre-1600 History Elective; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Even Springs)

HIST 4330/5330. Greek and Roman Life and Culture — 3 hrs.
Cultural survey of the Greco-Roman world from the eighth century B.C. to the fifth century A.D. Subject matter includes elite culture, such as literature, philosophy, and religion, as well as aspects of everyday life, such as clothing, food and drink, and entertainment. (World History course, Pre-1600 History Elective; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Even Falls)

HIST 4340/5340. Barbarians, Saints, and Pestilence: The Middle Ages — 3 hrs.
European social, economic, political, and cultural developments from the collapse of Roman authority to 15th century. (World History course, Pre-1600 History Elective; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Even Springs)

HIST 4350/5350. Rebirth, Reform, and Rebellion: The Beginnings of the Modern World — 3 hrs.
A study of the intellectual, artistic, economic, social, and political developments of the Italian and Northern Renaissances and the sixteenth-century Reformations. (World History course, Pre-1600 History Elective; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Variable)

HIST 4360/5360. Age of Absolutism and the Enlightenment — 3 hrs.
History of emerging nations of Europe with emphasis on Age of Absolutism, Louis XIV, and the Enlightenment. (World History course; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Odd Falls)

HIST 4420/5420. History of Ireland — 3 hrs.
Survey of Irish history from the age of conquests (Celtic, Viking, Anglo-Norman, and English) to the present with an emphasis on the development of political and cultural nationalism in the nineteenth century. (World History course, Pre-1600 History Elective; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Fall)

HIST 4440/5440. Kings, Heretics, Witches, and Revolutionaries: England to 1688 — 3 hrs.
England and the British Isles from Celtic and Roman times to the Glorious Revolution of 1688; traces social, cultural, and political developments, with an emphasis on constitutional developments and the emergence of England as a European power. (World History course, Pre-1600 History Elective; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Odd Falls)

HIST 4480/5480. The Ancient Near East — 3 hrs.
The artistic, literary, political, religious, and social accomplishments of Near Eastern people of ancient times. (World History course, Pre-1600 History Elective; formerly, Europe to ca. 1700 course) Prerequisite(s): junior standing. (Odd Springs)

HIST 4510/5510. Europe from the French Revolution to World War I — 3 hrs.
Emphasis on political unification, the economic, intellectual, and social impact of advances in science and technology, and the decline of the European concert leading to war in 1914. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Variable)

HIST 4520/5520. Europe from World War I to the Present — 3 hrs.
Study of impact of World War I, rise of Communism and Fascism, impact of World War II, and European Renaissance since 1945. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Variable)

HIST 4556/5556. History of Outdoor Recreation — 3 hrs.
Explores the history of outdoor recreation in the United States and its role in defining American identity by tracing its global roots, its production and management from the local to the federal level, and by examining controversies surrounding various recreational forms. (United States History course) Prerequisite(s): junior standing. (Same as RTNL 4556/5556) (Fall)

HIST 4610/5610. English History since 1688 — 3 hrs.
The political, social, and cultural history of England with emphasis on its evolution as a constitutional monarchy, industrial power, and global empire. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Odd Springs)

HIST 4640/5640. Modern Mediterranean Europe: History and Culture — 3 hrs.
Exploration of the rich and vibrant histories, cultures, and societies of Spain, Italy, and Greece from the late eighteenth century to the early twenty-first century. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Variable)

HIST 4650/5650. Modern Central and Eastern Europe — 3 hrs.
History of Central and Eastern Europe from the 18th to early 21st century in a country-specific, regional, and comparative perspective. Employs a social history approach to examine the long-term development of societies, nations, and states in the region. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Variable)

HIST 4660/5660. History of Imperial Russia — 3 hrs.
Political, social, economic, and cultural aspects of Russia with emphasis on 19th century. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Even Falls)

HIST 4670/5670. History of Soviet Russia — 3 hrs.
Political, social, economic, and cultural developments of Russia in 20th century, emphasis on ideology. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Even Springs)

HIST 4675/5675. Great Power Diplomacy from the Congress of Vienna to the Present — 3 hrs.
International diplomacy from 1815 with emphasis on 20th century. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Even Falls)

HIST 4680/5680. Military History from Napoleon to the Present — 3 hrs.
Study of causes and conduct of war and impact of war on society, with emphasis on 20th century. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Spring)

HIST 4690/5690. Modern European Women's History — 3 hrs.
Examination of the political, social, intellectual, and economic history of women and gender relations in Europe from the Enlightenment to the present. Attention to women's rights movements and the social construction of gender. (World History course; formerly, Europe since ca. 1700 course) Prerequisite(s): junior standing. (Spring)

HIST 4720/5720. Modern Latin American History — 3 hrs.
Modern development of Latin American states and their relations to the United States. (World History course; formerly, Non-western History course) Prerequisite(s): junior standing. (Spring)

HIST 4730/5730. African Kingdoms & Societies — 3 hrs.
Historical and cultural topics in Africa from earliest times to ca. 1800. (World History course, Pre-1600 History Elective; formerly, Non-western History course) Prerequisite(s): junior standing. (Variable)

HIST 4740/5740. Modern African History — 3 hrs.
Economic and social developments in the African continent, emergence of modern nationalist movements, and character of the European contact and its interaction with traditional African societies, from the 19th century to the present. (World History course; formerly, Non-western History course) Prerequisite(s): junior standing. (Variable)

HIST 4820/5820. Modern Middle East History — 3 hrs.
Middle East history from 1789 to present including Islamic roots, the rise of nationalism in various states, Arab attempts at unity, and the Arab-Israeli conflict. (World History course; formerly, Non-western History course) Prerequisite(s): junior standing. (Variable)

HIST 4830/5830. Sanskrit and Sovereigns; Sultans and Sufis: A History of South Asia to 1526 CE — 3 hrs.
An analysis of the ideologies, cultures, and institutions within South Asia from the time of the oldest inhabitants, the Adivasis, through to the Indus Valley, Aryan, Indic, and Indo-Islamic periods up to the collapse of the Delhi Sultanate in 1526. (World History course, Pre-1600 History Elective; formerly, Non-western History) Prerequisite(s): junior standing. (Fall)

HIST 4840/5840. Mughals and Marauders; Merchants and Mahatmas: A History of South Asia since 1526 CE — 3 hrs.
A survey of the ideologies, cultures, and institutions of the Indo-Timurid Mughals and their powerful collaborators and antagonists, European, Persian, Central Asian, and Indian (1526-mid 18th century)

through to the Indo-Anglian period (1757-present); The influence of India on the expanding British empire; the movements and ideologies which culminated in the creation of the Republic of India, Pakistan, and Bangladesh; contemporary South Asia. (World History course; formerly, Non-Western History) Prerequisite(s): junior standing. (Spring)

HIST 4850/5850. Pre-Modern Chinese History — 3 hrs.
Cultural and institutional developments in China from earliest times to ca. 1800 A.D. (World History course, Pre-1600 History Elective; formerly, Non-western History course) Prerequisite(s): junior standing. (Fall)

HIST 4860/5860. Modern Chinese History — 3 hrs.
Political, social, economic, and intellectual developments in China with special emphasis on period from the Revolution of 1911 to present. (World History course; formerly, Non-western History course) Prerequisite(s): junior standing. (Spring)

HIST 4870/5870. Courtiers, Warriors, and Merchants: Japan to 1800 — 3 hrs.
An analysis of the ideologies and institutions of Japan from the time of the adoption of Chinese Civilization to the end of the 18th century, paying special attention to the processes of decentralization and reunification, and their concomitant culture changes. (World History course, Pre-1600 History Elective; formerly, Non-western History course) Prerequisite(s): junior standing. (Fall)

HIST 4880/5880. The Legacy of the Samurai: Japan since 1800 — 3 hrs.
Description of first non-Western nation to become a modern economic superpower. Traces development in political, social, economic, and cultural aspects from 1800 to present. (World History course; formerly, Non-western History course) Prerequisite(s): junior standing. (Spring)

HIST 4910/5910. Global Studies: (Topic) — 3 hrs.
This course is based on a faculty-chosen topic of a transnational character, with a focus on analyzing this topic in the context of multiple global societies and historical contexts. This course is intended for students in the History-Global Studies Track; however, other History and non-History students also may take the course upon junior standing. May be repeated on different topics. Prerequisite(s): junior standing. (Fall and Spring)

HIST 6020. History and U.S. Public Policy — 3 hrs.
Use of history in policymaking; historical development of public policy in a specific area. (Spring)

HIST 6030. Research Seminar in History — 3-6 hrs.
Research-centered seminar on specific topics in history, emphasizing application of methods of research, critical analysis, and writing. May be repeated with a change of topic. (Fall, Spring, Summer)

HIST 6050. Historical Methods — 3 hrs.
Investigation of problems confronting the historian and analysis of methods and techniques employed. (Fall)

HIST 6285. Individual Readings — 1-3 hrs.
May be repeated. Prerequisite(s): consent of department head. (Fall and Spring)

HIST 6288. Seminar: Topics in History — 3 hrs.
Seminar on selected topics in history. May be repeated with change of topic. (Variable)

HIST 6289. Readings Seminar in History — 3-6 hrs.
Historiographical seminar on major schools of interpretation of a specific topic. Seminar will focus on a specific region or have a transnational focus. May be repeated with change of topic. (Variable)

HIST 6297. Practicum — 1-4 hrs.
May be repeated. (Fall, Spring, Summer)

HIST 6299. Research — 3 hrs.
Preparation for thesis or portfolio exit option. May be repeated for maximum of 6 hours on the Thesis option. Prerequisite(s): consent of department. (Fall, Spring, Summer)

HIST 6300. Writing — 3-6 hrs.
Thesis writing. Prerequisite(s): consent of department; Graduate standing. (Fall, Spring, Summer)

HIST 6301. Portfolio — 3-6 hrs.
Portfolio writing. Prerequisite(s): consent of department; Graduate standing. (Fall, Spring, Summer)

Humanities Courses (HUM)

There is no Humanities Department as such. The courses below are interdisciplinary and are taught jointly by staff from several departments.

Courses

HUM 1021. Humanities I: The Ancient, Classical, and Medieval Worlds — 3 hrs.
Literature, philosophy, religion, and the fine arts, integrated with the history of Western Civilization to 1300. (Fall, Spring, Summer)

HUM 1022. Humanities II: The Renaissance, Reformation, and Enlightenment — 3 hrs.
Literature, philosophy, religion, and the fine arts, integrated with the history of Western Civilization from 1300 to the French Revolution of 1789. (Fall, Spring, Summer)

HUM 1023. Humanities III: The Age of Revolution to the Present — 3 hrs.
Literature, philosophy, religion, and the fine arts integrated with the history of Western Civilization since the French Revolution of 1789. (Fall, Spring, Summer)

HUM 3102/5102. Nonverbal Communication — 3 hrs.
Study of practices, theories, and concepts related to patterns of human expression apart from the spoken or written word. Prerequisite(s): junior standing. (Same as COMM 4311) (Variable)

HUM 3121. Russia/Soviet Union — 3 hrs.
Interdisciplinary examination of the culture, history, geography, economy, political system, and society of Russia and the Soviet Union. (Fall and Spring)

HUM 3122. Japan — 3 hrs.
Introductory study of Japan: geographical setting, historical background, cultural heritage, social and political systems, and economic development and importance. (Fall and Spring)

HUM 3123. Latin America — 3 hrs.
Historical, political, social, and cultural elements that form the civilization of Latin America. No credit if student has credit in SPAN 3020. (Fall and Spring)

HUM 3124. China — 3 hrs.
Introduction to essential aspects of China, including geography, environment, demography, anthropology, history, language, religion,

economic development, political changes, and foreign relations. (Fall and Spring)

HUM 3125. India — 3 hrs.
Treatment of significant elements of Indian culture, historical development, and place in the world today. (Fall and Spring)

HUM 3127. Middle East — 3 hrs.
Treatment of significant aspects of Middle Eastern culture, historical development, and place in the world today. (Variable)

HUM 3128. Africa — 3 hrs.
Interdisciplinary examination of contemporary African society and culture: historical heritage, problems, prospects, and importance. (Fall and Spring)

HUM 3130. Culture and Philosophy of African American Life — 3 hrs.
Interdisciplinary exploration of culture and philosophy of African American life; emphasis on historical and current aspects of life which enhance or deter progress of African Americans educationally, economically, and politically. (Variable)

HUM 3132. Native North America — 3 hrs.
Ethnographic survey of sociocultural systems developed by Native Americans north of Mexico. Emphasis on relationships that exist among ecological factors, subsistence techniques, social organizations, and belief systems; and the impact interactions with European and U.S. societies had on Indian lifestyles. (Same as ANTH 3132) (Variable)

HUM 3137. Native Central and South America — 3 hrs.
Ethnographic focus on the sociocultural systems of the indigenous peoples of Mesoamerica, Amazon Basin, and the Andean Highlands. Emphasis on inter-relationships among environment, history, social organizations, and belief systems from a holistic and comparative perspective. (Same as ANTH 3137) (Fall and Spring)

HUM 3138. Malcolm, Martin, and Justice — 3 hrs.
How might religious leaders insert themselves in the struggle for justice and human rights? Malcolm X and Martin Luther King, Jr. represent the intricate involvement of black religious leaders in the African American struggle for social, political, and economic justice. (Variable)

HUM 3151/5151. Images of Blacks in the White Mind — 3 hrs.
Exploration of the purposefully constructed image of blacks which reinforces inequality, the historical development of white supremacist ideology, and the disempowerment of blacks in the United States. Prerequisite(s): junior standing. (Variable)

HUM 3160/5160. Black Women in America: Challenge, Spirit, Survival — 3 hrs.
Investigation of major themes in lives of black women in America, utilizing scholarship from sociology, literature, cultural studies, and womanist theology. Challenges to fruitful existence and role of striving for self-representation direct the two major units of course. Prerequisite(s): junior standing. (Variable)

HUM 3169. Leadership Internship — 1-3 hrs.
Field placement designed to further develop leadership abilities. Site placement determined in consultation with the Director of Leadership Studies. Prerequisite(s): HUM 3110; consent of instructor and Director of Leadership Studies. (Variable)

HUM 4198. Independent Study.
Independent Study

Interior Design Courses (INTDSGN)

Courses

INTDSGN 1001. Introduction to Interior Design — 3 hrs.
Overview of interior design issues relating to design methods, human factors, professions and certifications, current concerns, and environments. (Fall)

INTDSGN 1061. Design Foundations — 3 hrs.
Introduction to design elements and principles and their application to applied and fine arts. Attention to materials techniques and evaluation. Development of individual perception of design processes within interior design context. (Fall and Spring)

INTDSGN 1063. Drafting for Interiors — 3 hrs.
Introduction to architectural drafting; emphasis on drawing as a visual communication medium in the field of interior design. Development of drafting skills as a graphic language. Prerequisite(s) or corequisite(s): INTDSGN 1061. (Spring)

INTDSGN 1065. Design Visualization and Communication — 3 hrs.
Design and presentation skills developed through studio experiences in various media. Emphasis on perceptual and conceptual development in two and three dimensions. (Spring)

INTDSGN 1067. History of Interiors — 3 hrs.
Styles of furnishings, interiors, and architecture from antiquity to the present. (Spring)

INTDSGN 2063. Computer Applications for Interior Design I — 3 hrs.
Emphasis on three-dimensional graphic representation in the field of interior design. Includes introduction to computer-aided drafting. Prerequisite(s): INTDSGN 1063; declared Interior Design majors only. (Fall)

INTDSGN 2065. Space Planning and the Human Experience — 3 hrs.
Introduction to concepts and application of spatial definition, organization, and theories of human behavior in the built environment. Prerequisite(s): declared Interior Design majors only. (Fall)

INTDSGN 2069. Materials and Resources for Interior Design — 3 hrs.
The study of characteristics, installation, estimating, maintenance and sustainability of materials specified in interior applications. Understanding of sourcing, distribution and sustainable practices related to interior finishes and furnishings. Prerequisite(s): INTDSGN 1063; declared Interior Design majors only. (Spring)

INTDSGN 3063. Computer Applications for Interior Design II — 3 hrs.
Advanced computer-aided design using related software in the field of interior design. Prerequisite(s): INTDSGN 2063; declared Interior Design majors only. Corequisite(s): INTDSGN 3069. (Spring)

INTDSGN 3069. Building Systems and Lighting — 3 hrs.
Introduction to structural and non-structural building systems, circulation systems, and distribution systems (power, mechanical, HVAC, data/voice and plumbing) as they impact interior applications. Principles of thermal and acoustical design, indoor air quality, natural and electrical lighting design. Prerequisite(s): INTDSGN 2063; INTDSGN 2065; declared Interior Design majors only. (Fall)

INTDSGN 3129. Interior Design Standards — 2 hrs.
Standards set by the profession for entry-level positions in Interior Design. (Fall)

INTDSGN 3151. Residential Design I — 3 hrs.
Residential design. Programming, space planning, life safety issues, conceptualization, problem solving, and presentation. Includes special populations and purposes. Prerequisite(s): INTDSGN 2063; INTDSGN 2065; declared Interior Design majors only. Corequisite(s): INTDSGN 2069. (Spring)

INTDSGN 3152. Residential Design II — 3 hrs.
Advanced Residential design. Programming, space planning, life safety issues, conceptualization, problem solving, and presentation. Includes special populations and purposes. Prerequisite(s): INTDSGN 3151. (Fall)

INTDSGN 3164. Professional Practice of Interior Design — 3 hrs.
Professional responsibilities (legal, ethical, social and business) and practice of Interior Design. Prerequisite(s): declared Interior Design majors only. (Spring)

INTDSGN 3165. Professional Preparation in Interior Design — 1 hr.
Development of credentials and portfolio for job market entry. Prerequisite(s) or corequisite(s): INTDSGN 3164; declared Interior Design majors only. (Spring)

INTDSGN 4151. Commercial Design I — 3 hrs.
Non-residential design, programming, space planning, life safety issues, conceptualization, problem solving, and presentation. Includes special populations and purposes. Prerequisite(s): INTDSGN 3063; INTDSGN 3069; INTDSGN 3129; declared Interior Design majors only. (Spring)

INTDSGN 4152. Commercial Design II — 3 hrs.
Advanced non-residential design, programming, space planning, life safety issues, conceptualization, problem solving, and presentation. Includes special populations and purposes. Prerequisite(s): INTDSGN 3063; INTDSGN 3069; INTDSGN 3129; declared Interior Design majors only. (Fall)

INTDSGN 4153. Commercial Design III — 3 hrs.
Complex non-residential design, programming, space planning, life safety issues, conceptualization, problem solving, and presentation. Includes special populations and purposes. Prerequisite(s): INTDSGN 3063; INTDSGN 3069; INTDSGN 3129; declared Interior Design majors only. (Spring)

INTDSGN 4161. Advanced Design I — 1 hr.
Complex residential/non-residential design problems incorporating applied research methods. Prerequisite(s): declared Interior Design majors only. (Fall)

INTDSGN 4162. Advanced Design II — 3 hrs.
Complex residential/non-residential design problems incorporating applied research and integration of life safety, building systems and human response to the built environment. Prerequisite(s): INTDSGN 4161. (Spring)

INTDSGN 4184/5184. Topics in Interior Design — 1-3 hrs.
Selected topics relating to current issues in Interior Design. Topics to be announced in the Schedule of Classes. May be repeated on different topics for maximum of 6 hours. Prerequisite(s): junior standing. (Variable)

INTDSGN 4192/5192. Research in Interior Design — 1-3 hrs.
Conduct supervised research and/or scholarly project. Prerequisites: research methods course; junior standing; consent of instructor. (Variable)

INTDSGN 4194/5194. Problems in Interior Design — 1-4 hrs.
Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

INTDSGN 4195. Internship in Interior Design — 4 hrs.
Supervised experience in approved work situation. Transfer students must complete one full semester in residence before being approved for internship. Prerequisite(s): all course work must be completed. (Fall, Spring, Summer)

INTDSGN 4198. Independent Study in Interior Design.
(Variable)

Iowa Lakeside Laboratory Courses (IA LL)

Iowa Lakeside Laboratory is a field station located in the Iowa Great Lakes region of northwest Iowa. It is run cooperatively by the three Regents' Universities. Each summer Iowa Lakeside Laboratory offers a variety of hands-on courses in many disciplines (archaeology, biology, ecology, environmental science, hydrology, soils, taxonomy, writing). Both undergraduate and graduate courses are offered. For information about courses being offered this summer and registration/housing forms, see the Iowa Lakeside Laboratory Web site www.iowalakesidelab.org or contact the Iowa Lakeside Laboratory Administrative Office (250 Continuing Education Facility, The University of Iowa, Iowa City, IA 52242-0907. Phone: 1-888-469-2338 [toll free]. Early registration is advisable because enrollment in Lakeside courses is limited.

Courses

IA LL 1010. Earth, Air and Sky — 2 hrs.
Introduction to the essentials of earth science (astronomy, meteorology, geology, and paleontology). (Summer)

IA LL 2019. Soils and Environmental Quality — 4 hrs.
Role of soils in the environment; relationship between soil quality and plant growth. Field studies on soil identification, degradation and restoration as well as identifying tools useful in effective land and water stewardship. (Summer)

IA LL 2030. Natural History Workshop — 1-2 hrs.
Offered as demand warrants. Five day-long, non-technical introductions to a specific aspect of the natural history of the upper Midwest or techniques for studying natural history. Prerequisite: junior standing. (Variable)
A. Amphibians and Reptiles
B. Birds and Birding
C. Nature Photography
D. Mushrooms and Other Fungi
E. Iowa's Trees and Forests
F. Fish Biology
G. Prairies
I. Common Insects
J. Aquatic Plants
K. Life in Rivers
L. Life in Lakes
M. Mosses and Liverworts

N. Natural History of Iowa Great Lakes Region
P. Field Archaeology
Q. Common Algae
S. Scuba Diving
T. Astronomy
U. Sketching Nature (Variable)

IA LL 2031. Ecology — 4 hrs.
Introduction to the evolutionary and basic principles of ecology at the organismal, population, community, and ecosystem levels. Integrates lectures and field studies to examine the distribution and abundance of plans and animals in native ecosystems. (Summer)

IA LL 2034. Topics in Ecology and Sustainability — 1-4 hrs.
Scientific introduction to ecology and evolution of important groups of organisms. Topics include: algae to vertebrates, different ecological phenomena (e.g., fire and climate change), varying landforms, different ecosystems (e.g., prairies and aquatic systems); emphasis on sustainability with introduction to concepts, issues, and practices; ability to communicate environmental information through a variety of means. May be repeated. (Summer)

IA LL 2040. Field Archaeology — 4 hrs.
Nature of cultural and environmental evidence in archaeology and how they are used to model past human behavior and land use; emphasis on Iowa prehistory; basic reconnaissance surveying and excavation techniques. (Summer)

IA LL 2043. Illustrating Nature-Sketching — 2 hrs.
Sketching plants, animals, and terrain. Visual communication, development of a personal style, and integration of typographic and visual elements on a page will be emphasized. (Summer)

IA LL 2044. Illustrating Nature - Photography — 2 hrs.
Beginning to intermediate technical and compositional aspects of color photography of natural areas and their plants and animals. (Summer)

IA LL 2045. Undergraduate Internships — 1-5 hrs.
Placement with county conservation boards, camps, parks, etc., for experience as interpreters, rangers, and technicians. (Summer)

IA LL 3100/5100. Techniques For Biology Teaching — 1-2 hrs.
Development and implementation of laboratory exercises suitable for inclusion in elementary, middle, high school, and community college biology and environmental courses. Exercises will be built around common organisms and ecosystems in Iowa. Field trips. A. (Summer)

IA LL 3102/5102. Plant-Animal Interactions — 4 hrs.
Introduction to ecology and co-evolution of plants and animals. Emphasis on dispersal, pollination, and plant-herbivore interactions; field and laboratory work, reading, and discussion. Prerequisite(s): one course in the biological sciences; junior standing. (Variable)

IA LL 3103/5103. Aquatic Ecology — 4 hrs.
Analysis of aquatic ecosystems. Emphasis on basic ecological principles; ecological theories tested in the field, and identification of common plants and animals. Prerequisite(s): courses in ecology, chemistry, and physics or consent of instructor; junior standing. (Summer)

IA LL 3105/5105. Plant Taxonomy — 4 hrs.
Principles of classification and evolution of vascular plants; taxonomic tools and collection techniques; use of keys. Field and laboratory studies emphasizing identification of local flowering plants and recognition of major plant families. Prerequisite(s): two semesters of introductory biology or consent of instructor; junior standing. (Summer)

IA LL 3107/5107. Field Parasitology — 4 hrs.
Ecology and life history of parasites, protozoans, helminths, arthropods; field and laboratory investigations including preparation, identification, and morphology of representative types and stages; general and comparative concepts of parasitology. (Variable)

IA LL 3109/5109. Ecology and Systematics of Algae: Cyanobacteria and Green Algae — 4 hrs.
Ecology and Systematics of Algae: Cyanobacteria and Green Algae (Summer)

IA LL 3111/5111. Summer Writing Festival at Iowa Lakeside Laboratory — 1 hr.
One-week workshop designed for young adult to adult writers of all levels, helps participants apply their imagination to their life experiences and become more effective writers. Writing exercises invite imaginative leaps and thoughtful reflections and humor, as well as seriousness. Participants work in various forms of expression, including the personal essay, poetry, and short fiction. Prerequisite(s): junior standing. (Summer)

IA LL 3121/5121. Plant Ecology — 4 hrs.
Principles of plant population, community, and ecosystem ecology illustrated through studies of native vegetation in local prairies, wetlands, and forests. Group or individual projects. Prerequisite(s): two semesters of introductory biology or consent of instructor; junior standing. (Summer)

IA LL 3122/5122. Prairie Ecology — 4 hrs.
Basic patterns and underlying physical and biotic causes of both regional and local distributions of plants and animals of North American prairies; field and laboratory analyses and projects. Prerequisite(s): two semesters of introductory biology or consent of instructor; junior standing. (Summer)

IA LL 3124/5124. Wetland Ecology — 4 hrs.
Ecology, classification, creation, restoration, and management of wetlands. Field studies examine the composition, structure, and functions of local natural wetlands and restored prairie pothole wetlands. Individual or group projects. Prerequisite(s): junior standing. (Summer)

IA LL 3126/5126. Ornithology — 2-4 hrs.
The biology, ecology, and behavior of birds with emphasis on field studies of local avifauna. Group projects stress techniques of population analysis and methodology for population studies. Prerequisite(s): two semesters of introductory biology or consent of instructor; junior standing. (Summer)

IA LL 3127/5127. Introduction to Insect Ecology — 4 hrs.
Field and laboratory study of insects, their diversity, and life history. Emphasis on ecology and behavior. Prerequisite(s): junior standing. (Variable)

IA LL 3128/5128. Fish Ecology — 2-4 hrs.
Basic principles of fish interaction with the biotic and abiotic environment. Field methods, taxonomy, and biology of fish with emphasis on the fish fauna of northwestern Iowa. Prerequisite(s): junior standing. (Summer)

IA LL 3132. Ecology — 4 hrs.
Introduction to the evolutionary and basic principles of ecology at the organismal, population, community, and ecosystem levels. Integrates lectures and field studies to examine the distribution and abundance of plants and animals in native ecosystems. Prerequisite(s): two semesters of introductory biology or consent of instructor. (Summer)

IA LL 3134/5134. Animals and their Ecosystems — 4 hrs.
Focus on the vertebrate and invertebrate animals of the Midwest. Animals are observed in nature either through passive observational techniques or active trapping exercises. Once identified, animals are placed in their proper taxonomic position (i.e., put onto the "Tree of Life"). They also are put into ecological perspective, including habitat preferences (i.e., wetland, lake prairie, forest, river, edge), trophic position, and activity patterns. Conservation status is discussed and in many cases emphasized. Prerequisite(s): an introductory biology course; junior standing. (Summer)

IA LL 3135/5135. Aquatic Toxicology and Wetland Dynamics in Freshwater Systems — 2 hrs.
Fundamental knowledge and understanding of scientific concepts related to the physio-chemical and biological environment; problems and issues (global, national, regional, and local) of freshwater systems; how wetland restoration is used to ameliorate problems; basic tools used to assess aquatic toxicological problems. Prerequisite(s): one year of biology and one year of chemistry; junior standing. (Summer)

IA LL 3140/5140. Water Policy & Politics — 1 hr.
Historical, legal, economic, cultural, and political dimensions of water resources; public perception and enjoyment of this abundant and important natural resource; how public policy developed; private rights; differences between the previous appropriation system in the western U.S. and Eastern riparian rights law; public rights regarding water for navigation, recreation, and environmental protection; water-related institutions such as suppliers of municipal water and irrigation water; interbasin transport of water. Prerequisite(s): junior standing. (Summer)

IA LL 3142/5142. Watershed Hydrology and Surficial Processes — 4 hrs.
Effects of geomorphology, soils, and land use on transport of water and materials (nutrients and contaminants) in watersheds. Fieldwork will emphasize investigations of the Iowa Great Lakes watershed. Prerequisite(s): four courses in the physical or biological sciences or engineering; junior standing. (Summer)

IA LL 3160/5160. Restoration Ecology — 4 hrs.
Ecological principles for the restoration of native ecosystems; establishment (site preparation, selection of seed mixes, and planting techniques) and management (fire, mowing, and weed control) of native vegetation; evaluation of restorations. Emphasis on the restoration of prairie and wetland vegetation. Prerequisite(s): a course in ecology; junior standing. (Summer)

IA LL 3162. Restoration Ecology — 2 hrs.
Ecological principles for restoration of native ecosystems; establishment (site preparation, selection of seed mixes, planting techniques) and management (fire, mowing, weed control) of native vegetation; evaluation of restorations; emphasis on prairie restoration and wetland vegetation. (Summer)

IA LL 3163. Conservation Biology — 4 hrs.
Population- and community-level examination of factors influencing the viability of plant and animal populations from both demographic and genetic perspectives; assessment of biodiversity; and design and management of preserves. Prerequisite(s): general biology. (Summer)

IA LL 3165/5165. Behavioral Ecology — 4 hrs.
Animal coloniality, courtship, territoriality, predator defense, habitat selection, foraging, mating systems, and parental care will be examined in the field in order to evaluate various ecological and evolutionary theories of animal behavior. Prerequisite(s): two courses in the biological sciences; junior standing. (Summer)

IA LL 3166/5166. Amphibians & Reptiles — 2-4 hrs.
Ecology, behavior, and conservation biology of amphibians and reptiles. Emphasis on their anatomy and morphology, temperature and water regulation, locomotion, life history, reproduction, population and community ecology, and conservation. (Summer)

IA LL 3175/5175. Soil Formation & Landscape Relationships — 2-4 hrs.
Relationships between soil formation, geomorphology, and environment. Soil description, classification, geography, mapping, and interpretation for land use. Prerequisite(s): introductory soils course or IA LL 3142/5142; junior standing. (Summer)

IA LL 4178/5178. Analysis of Environmental Data — 2 hrs.
Provides students with training in the theory and application of a range of statistical techniques useful for the analysis of ecological and paleoecological data. Topics include data management, exploratory data analysis, regression analysis, direct and indirect ordination methods, classification techniques, transfer functions and the analysis of temporal data. Lectures and practical classes with hands-on-training. Directed towards advanced undergraduate, graduate, and working professionals in ecology and paleoecology. Prerequisite(s): an undergraduate course in statistics, understanding of basic concepts such as correlation and regression, and familiarity with PC-based software for data analysis; junior standing. (Summer)

IA LL 4193. Undergraduate Research — 1-4 hrs.
Prerequisite(s): junior standing; consent of instructor. (Variable)

IA LL 4198. Undergraduate Independent Study — 1-4 hrs.
Prerequisite(s): junior standing; consent of instructor. (Variable)

IA LL 6210. Global Climate Change: Causes, Connections and Cures — 2 hrs.
Underlying causes of global climate change, both natural and human; web of interrelated links affecting the physical and living world, including human society; cause-and-effect relationships and interventions that may reduce negative consequences; for teachers of grades 7-12 and students enrolled in teacher education programs for those grades. Prerequisite(s): bachelor's degree. (Summer)

IA LL 6215. Field Mycology — 4 hrs.
Identification and classification of the common fungi; techniques for identification, preservation, and culture practiced with members of the various fungi groups. (Summer)

IA LL 6217. Ecology and Systematics of Diatoms — 4 hrs.
Field and laboratory study of freshwater diatoms; techniques in collection, preparation, and identification of diatom samples; study of environmental factors affecting growth, distribution, and taxonomic characters; project design and execution, including construction of reference and voucher collections and data organization and analysis. Prerequisite(s): two semesters of introductory biology or geology, and consent of instructor. (Summer)

IA LL 6225. Physical Limnology — 2-4 hrs.
Mechanisms of physical transport of heat and contaminants in lakes; temperature cycle and stratification; disturbances to seasonal temperature structure, including the diurnal mixed layer, waves, upwelling, differential heating; turbulence, mixing, transport; field measurements of physical processes, computer models of transport. (Summer)

IA LL 6234. Topics in Ecology and Sustainability — 1-4 hrs.
Scientific introduction to ecology and evolution of important groups of organisms. Topics include: algae to vertebrates, different ecological phenomena (e.g., fire and climate change), varying landforms,

different ecosystems (e.g., prairies and aquatic systems); emphasis on sustainability with introduction to concepts, issues, and practices; ability to communicate environmental information through a variety of means. May be repeated. (Summer)

IA LL 6240. Natural History Workshop — 1-3 hrs.
Offered as demand warrants. Graduate workshop on some aspect of the natural history of the Upper Midwest or on techniques for studying natural history. Prerequisite(s): consent of instructor. (Variable)

IA LL 6263. Conservation Biology — 4 hrs.
Population- and community-level examination of factors influencing the viability of plant and animal populations from both demographic and genetic perspectives; assessment of biodiversity; and design and management of preserves. (Summer)

IA LL 6291. Graduate Internships — 1-5 hrs.
Placement with county conservation boards, camps, parks, schools, etc., for experience as interpreters, rangers, technicians, and teachers. Prerequisite(s): consent of instructor. (Variable)

Kinesiology Courses (KINES)

Courses

KINES 2015. Teaching Team/Individual Sports — 3 hrs.
Primarily for majors in Physical Education- Teaching with an emphasis on developing skills related to teaching team and individual sports. (Fall)

KINES 2016. Teaching Lifetime Activities — 3 hrs.
Primarily for majors in Physical Education- Teaching with an emphasis on developing skills related to teaching lifetime activities. (Spring)

KINES 2019. First Aid and CPR for Physical Educators — 1 hr.
First aid skills for injuries and sudden illness, CPR for adult, child, and infant and AED to prepare physical education major students to teach these in K-12 schools. (Variable)

KINES 2021. Teaching Movement and Rhythmic Activities for Children — 3 hrs.
Developmentally-appropriate physical activities designed to promote the development, refinement, and utilization of fundamental movement actions and concepts during the early through late childhood years. Strategies for selecting and delivering appropriate activities to children. Prerequisite(s) or corequisite(s): TEACHING 2017; EDPSYCH 2030. (Spring)

KINES 2025. Conditioning Theory and Practice — 3 hrs.
Theory and practice in training and conditioning of athletes, dynamic warm up and training schedule development. (Variable)

KINES 2030. Teaching Physical Education For Learning — 3 hrs.
The major purpose of this course is to develop knowledge and competence in the generic aspects of effective instruction in physical education as well as to begin to develop effective instructional skills through micro-peer teaching. The student will also learn the historical foundations and significance of physical education and how these have impacted the profession's current goals. Prerequisite(s) or corequisite(s): EDPSYCH 2030. (Fall)

KINES 2031. Teaching Physical Education with Technology — 3 hrs.
Familiarization and enhancement of technology skills specific to supporting physical education instruction in a PK-12 setting. Course focuses on technologies closely aligned with the physical education learning environment (i.e. pedometers, accelerometers, heart rate monitors) to facilitate instruction and assess student performance. Also included are additional technologies related to physical education software and hardware on personal computers use in creating materials for the K-12 student. (Fall)

KINES 2036. Dance Performance — 1-2 hrs.
Credit for performance in approved dance choreography. May be repeated for credit. Prerequisite(s): consent of instructor. (Variable)

KINES 2037. Applied Choreography — 1-2 hrs.
Credit for approved choreography for dance performances and productions. May be repeated for credit. Prerequisite(s): consent of instructor. (Variable)

KINES 2050. Anatomy and Physiology of Human Movement — 3 hrs.
Anatomy and physiology of the human body focusing on the muscular and skeletal systems. (Fall and Spring)

KINES 2053. Physical Activity and Nutrition for Health and Fitness — 3 hrs.
Identification and programming of physical activities and nutrition lifestyle practices. Emphasis on the role of physical activity and nutrition in the enhancement of health and fitness in others. Integration of experiential learning activities with cognitive subject matter. (Fall and Spring)

KINES 2056. Motor Learning and Development — 3 hrs.
Introduction to the developmental and learning factors which influence the capability to move effectively throughout the life span. (Fall and Spring)

KINES 2060. Lifeguard Training and Instruction — 2 hrs.
American Red Cross material in Basic Water Safety, Emergency Water Safety Lifeguard Training, and Lifeguard Instruction. Opportunity provided to become certified in the American Red Cross Lifeguarding, Lifeguard Instruction, and Health Services Program which is a prerequisite to becoming an instructor in any area of certification for the American Red Cross. (Variable)

KINES 2061. Water Safety Instruction — 2 hrs.
Materials related to the certification of instructors for water safety instruction. Any person wishing to teach aquatics is required to complete this course. Certification is possible through this course. (Variable)

KINES 2062. Developmental Trends in Physical Activity & Sport — 3 hrs.
Developmental Trends in Physical Activity and Sport focuses on physical, mental, and emotional developmental changes from early childhood through adolescence in relation to the physical domain. Topics include: theoretical perspectives of human development, development of self-perceptions, influence of significant others throughout childhood and adolescence, effective communication skills for the developmental age, factors that influence motivation and continued participation, emotional experiences in youth sport, and self-regulation skills. (Fall)

KINES 3101. Coaching Theory and Skill Technique - Baseball/ Softball — 3 hrs.
To provide practical knowledge and develop basic skills necessary for becoming a successful baseball and/or softball coach. (Variable)

KINES 3102. Coaching Theory and Skill Technique - Basketball — 3 hrs.
To provide practical knowledge and develop basic skills necessary for becoming a successful basketball coach. (Variable)

KINES 3104. Coaching Theory and Skill Technique - Football — 3 hrs.
To provide practical knowledge and develop basic skills necessary for becoming a successful football coach. (Variable)

KINES 3107. Coaching Theory and Skill Technique -- Soccer — 3 hrs.
To provide practical knowledge and develop basic skills necessary for becoming a successful soccer coach. (Variable)

KINES 3111. Coaching Theory and Skill Technique - Track and Field — 3 hrs.
To provide practical knowledge and develop basic skills necessary for becoming a successful track and field coach. (Variable)

KINES 3112. Coaching Theory and Skill Technique - Volleyball — 3 hrs.
To provide practical knowledge and develop basic skills necessary for becoming a successful volleyball coach. (Variable)

KINES 3113. Coaching Theory and Skill Technique - Individual Sports — 3 hrs.
To provide practical knowledge and develop basic skills necessary for becoming a successful individual sport coach (e.g., swimming, wrestling, tennis). (Variable)

KINES 3118. Practicum in Coaching — 1-2 hrs.
Practical experience working with high school coaches; includes planning and conducting all phases of the program. May be repeated in a different sport for a total of two sports. Prerequisite(s): junior standing; consent of department. (Variable)

KINES 3120. Certified Pool Operators — 2 hrs.
Administration of programs, personnel, and facilities; includes pool management and maintenance. (Variable)

KINES 3121. Sociology and Psychology of Physical Activity — 3 hrs.
Introduction to the sociological and psychological issues related to physical activity. Behavior change and motivational strategies to facilitate healthy active lifestyles for youth through adulthood are discussed and applied. Practical information for professionals working in either school or non-school settings dealing with persons involved in physical activity. (Variable)

KINES 3122. Psycho-Social Aspects of Competitive Sport — 3 hrs.
Introduction to the psychological and sociological dimensions of competitive sport with an emphasis on mental skills training for performance enhancement. (Fall and Spring)

KINES 3125. Introduction to Sport Administration — 3 hrs.
Introduction to Sport Administration is designed to provide the foundations of the management, marketing, financial, and legal principles regarding sport facilities, events, tourism, and organizations within interscholastic, intercollegiate, professional and international sport industries. Further, the conduct of amateur and professional sports is addressed. (Fall and Spring)

KINES 3126. Sport Marketing — 3 hrs.
The purpose of this course is to introduce an overview of various aspects of sport marketing and the application of basic principles of sport marketing to the managed sport industry with emphasis on intercollegiate athletics, professional sport, and multi-sport club operations. This course will provide students with an up-to-date understanding of marketing concepts as they are currently being applied in various sectors of the sport industry. Prerequisite(s): KINES 3125. (Variable)

KINES 3127. Practicum in Sport Administration — 1 hr.
This course is the last course to be taken after other required courses are completed in the Sports Administration minor. Students gain comprehensive practical experience in sport administration in a sport setting/organization. The experience will build on knowledge and skills learned in the classroom and provide enhanced learning opportunities through hands-on experiences. The practicum experience will assist in further development of a professional portfolio and provide the experience needed for success in the competitive job market. Prerequisite(s): Completion of all coursework in the Sports Administration minor; consent of instructor. (Fall, Spring, Summer)

KINES 3140. Practicum in Strength and Conditioning — 1 hr.
Experiences working in strength and conditioning settings. May be repeated for a maximum of 3 credits. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

KINES 3151. Biomechanics — 3 hrs.
Application of principles of mechanics to human movement. Prerequisite(s): KINES 2050 or AT 3020 or BIOL 3102. (Fall and Spring)

KINES 3153. Physiology of Exercise — 3 hrs.
Acute and chronic responses and adaptations of the physiological systems to muscular activity and training. Prerequisite(s): KINES 2050; junior standing. Prerequisites for Athletic Training majors: KINES 2050 or AT 3020. Prerequisites for Movement and Exercise Science majors: KINES 2053. Prerequisite(s) or corequisite(s): KINES 3163. (Fall and Spring)

KINES 3154. Psychological Skills for Sport Participants — 3 hrs.
Understanding of psychological factors which affect performance in competitive sport. Survey of and individualized practice with psychological techniques designed to enhance sport performance. (Fall and Spring)

KINES 3155/5155. Exercise Physiology: Applications for Health and Human Performance — 3 hrs.
Applications in environmental influence on performance, body composition, ergogenic aids, age and gender considerations in sport and exercise, and exercise for special populations. Prerequisite(s): KINES 2050; KINES 3153 or equivalent; junior standing. (Variable)

KINES 3156. Fitness Assessment and Programming — 3 hrs.
Assessment of fitness levels and application to fitness programming including remediation of dysfunction in rehabilitation. Prerequisite(s): KINES 3153. (Fall and Spring)

KINES 3157. Sports Nutrition — 3 hrs.
Designed to help students understand the role of nutrition in enhancing athletic performance. Students will learn the impact nutrition has on cells and tissue that determine the physiological response to exercise. Prerequisite(s): KINES 2053; KINES 3153. Prerequisite for Athletic Training majors: AT 3020. (Fall and Spring)

KINES 3158. Clinical Biomechanics — 3 hrs.
Application of principles of mechanics to human movement with special consideration to clinical applications. Prerequisite(s): KINES 2050 or equivalent. (Variable)

KINES 3160. Exercise for Clinical Populations — 3 hrs.
This course addresses issues related to exercise programs for special populations such as older adults, children, and individuals with obesity, diabetes, CVD, cancer, anxiety, depression, osteoporosis, multiple sclerosis, COPD, PAD, arthritis, and musculoskeletal injuries. It also focuses on skills in basic electrocardiographic assessment and

recording, particularly identification of arrhythmias and blockages. Prerequisite(s): KINES 3153. (Variable)

KINES 3163. Career and Professional Development — 3 hrs.
This course will examine the field of movement and exercise science from a historical perspective, identify emerging trends and ethical behavior, and explore potential employment opportunities and professional associations. Professional development strategies throughout one's career are discussed and evaluated with the establishment of future career goals. This course will also develop the student's skills in writing resumes, creating portfolios and job interviewing in order to enhance employment opportunities. (Fall and Spring)

KINES 3168. Assisting in Physical Activity and Wellness — 1 hr.
Assisting departmental instructor in activity classes. May be repeated once for credit. Prerequisite(s): consent of department. (Fall and Spring)

KINES 3174. Assessment Processes in Physical Education — 3 hrs.
Concepts of measurement and evaluation; statistical analysis; construction of evaluative instruments; and application of written and performance tests. Physical Education majors may substitute KINES 3174 for MEASRES 3150. Prerequisite(s) or corequisite(s): EDPSYCH 3148. (Fall and Spring)

KINES 3176. Administration and Curriculum Development in Physical Education — 3 hrs.
Administration of programs in the elementary and secondary schools including budgeting, facilities, legal considerations, and support services. Design, development, and evaluation of curriculum content for grades K-12. Prerequisite(s): Prerequisite(s) or corequisite(s): TEACHING 2017; EDPSYCH 2030. (Spring)

KINES 3185. Readings in Kinesiology — 1-4 hrs.
Individual study in an area of physical education. Credit to be determined at time of registration and to be based on student's proposal. Primarily for majors and minors in Physical Education. Prerequisite(s): consent of department head. (Fall and Spring)

KINES 3191. Senior Project — 1-6 hrs.
Individualized study and experiential learning under the supervision of qualified faculty and professionals in the field; Primarily for majors in physical education.May be repeated for a maximum of 6 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

KINES 3192. Internship in Kinesiology — 1-12 hrs.
Comprehensive practical experience in physical education in which the student applies course work in an agency commensurate with degree option. Offered on credit/no credit basis only. May be repeated for maximum of 12 hours. Prerequisite(s): Completion of all course work in the major or minor; current certification in Standard First Aid and Community CPR; consent of Internship Coordinator. (Fall, Spring, Summer)

KINES 3193. Research Experiences — 1-6 hrs.
Conducting supervised research in a research team setting or mentoring setting with faculty, with presentation and publication of research as the goal. Topics for research may not duplicate a class project or the undergraduate thesis. May be repeated for maximum of 6 hours. Highly recommended for students planning to enter graduate programs. Primarily for majors in physical education. Prerequisite(s): sophomore standing; consent of instructor. (Fall and Spring)

KINES 3201. Scientific Principles of Strength and Conditioning — 3 hrs.
The course is designed to provide students with the underlying principles and concepts of strength and conditioning program development. Students will learn to utilize instrumentation and equipment for the monitoring and assessment of exercise clients, review, analyze and interpret information, and independently generate conclusions, and communicate knowledge through a variety of modalities. Students will learn to contextualize discipline knowledge to performance sports and / or health, disease and aging. Prerequisite(s): KINES 2050. (Variable)

KINES 3202. Strength and Conditioning Programming and Technique — 3 hrs.
This course is designed for students to apply scientific knowledge and information to design high quality strength and conditioning programs. Students will design different programs based on critical factors related to a variety of clients, such as age, gender, sport experience, goals, and stage of development. This course has a hands-on component where students will learn safety and evaluation of movement form. Prerequisite(s): KINES 2050; KINES 3153. (Variable)

KINES 4152. Adapted Physical Education — 3 hrs.
This course is designed to provide basic knowledge of the history of adapted physical education; federal and state laws pertaining to the education of individuals with disabilities; psychomotor, social, and cognitive characteristics of students with disabilities; program planning that includes lesson plans, assessment, and behavior management. In addition, this course will prepare undergraduate students to implement specially designed physical education programs designed to meet the unique needs of students with disabilities through the use of hands-on experiences teaching students with disabilities. (Fall and Spring)

KINES 4172. Elementary Physical Education Teaching Methods — 3 hrs.
Review of philosophy, objectives, content, instructional practices, teaching strategies, and assessment practices appropriate for PK-6 elementary physical education. Laboratory experiences at the elementary level will be included. Prerequisite(s): EDPSYCH 3148. Prerequisite(s) or corequisite(s): KINES 2021; KINES 2056; KINES 3174; KINES 3176. (Fall and Spring)

KINES 4173. Secondary Physical Education Teaching Methods — 3 hrs.
Review of philosophy, objectives, content, instructional practices, teaching strategies, and assessment practices appropriate for secondary physical education. Laboratory experiences will be included at the junior high and high school levels. Prerequisite(s): EDPSYCH 3148. Prerequisite(s) or corequisite(s): KINES 2021; KINES 2056; KINES 3174; KINES 3176. (Fall and Spring)

KINES 4194. Senior Thesis — 2-6 hrs.
Individualized research involving the selection of an area of inquiry; collection, analysis, and interpretation of data; Primarily for majors in physical education. May be repeated for a maximum of 6 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

KINES 4198. Independent Study.
Primarily for majors in physical education. (Fall, Spring, Summer)

KINES 4217. Organization and Administration of Competitive Sports — 3 hrs.
Organization, philosophy, administration, and management (e.g., budget, scheduling, designing) of interscholastic, intercollegiate, and

intramural sports programs. Prerequisite(s): junior standing. (Fall and Spring)

KINES 6222. Sport Psychology — 3 hrs.
Current sport psychology research and its relevance to coaches and athletes. Emphasis on the areas of sport personalogy, competitiveness, motivation, attention, self-concept, attitudes, competitive anxiety, and goal-setting. Stress management techniques and other psychological skills applicable to the sport setting. (Variable)

KINES 6230. Curriculum Theory and Design in Physical Education — 3 hrs.
Investigation of the curriculum development process, standards based curriculum, contemporary models, selection and sequencing of developmentally appropriate content and activities K-college, and coaching curriculum. Intended to meet the needs and interests of K-12 teachers as well as college teacher/coaches. (Variable)

KINES 6231. Effective Teaching and Behavioral Management in Physical Education — 3 hrs.
Study of the skills and techniques that successful teachers use to make classes appropriate and beneficial for students. Discussion of effective discipline, motivation, and planning techniques. Includes techniques for self-study to determine teaching effectiveness and demonstrate student learning. Special focus on behavioral management strategies to enhance learning during physical education classes. (Variable)

KINES 6240. Advanced Adapted Physical Education — 3 hrs.
This advanced course will explore how to create physical education programs for students with disabilities. The course will present students with information about legislation, a variety of disabilities, advanced topics in assessment and curriculum related to Adapted Physical Education. (Variable)

KINES 6241. Advanced Assessment in Physical Education — 3 hrs.
This course will provide knowledge to students related to performance-based assessment in K-12 physical education. The course will focus on assessment driven instruction, different ways to measure student achievement in physical education, selection of a balanced and practical assessment approach in physical education classes. (Variable)

KINES 6251. Advanced Biomechanics — 3 hrs.
Application of mechanical principles and concepts to human movement; emphasis on analysis of techniques employed in sports. Prerequisite(s): KINES 2050; KINES 3151; or equivalents. (Variable)

KINES 6253. Advanced Exercise Physiology — 3 hrs.
Process of scientific inquiry into exercise physiology and the identification of basic principles to be applied for maximum performance without injury. Prerequisite(s): KINES 3153; KINES 3155/5155 or equivalent; BIOL 3101 or equivalent; BIOL 3102 or equivalent. (Variable)

KINES 6255. Motor Control and Learning — 3 hrs.
Study and application of research findings to motor learning and the variables which influence it. (Variable)

KINES 6272. Principles of Sport Administration — 3 hrs.
This graduate course provides an overview of the principles of sport administration from an interdisciplinary perspective including topics such as Management and Leadership in Sport Administration, Sport Marketing and Communication, and Sport Facility and Event Management. (Variable)

KINES 6273. Contemporary and Inclusive Issues in Physical Education — 3 hrs.
Examination and analysis of continuing concerns and issues in the profession. Examination of strategies to fully engage all participants in physical education classes irrespective of a disability or any other attribute. (Variable)

KINES 6285. Readings in Kinesiology — 1-4 hrs.
May be repeated for maximum of 6 hours. (Fall, Spring, Summer)

KINES 6289. Seminar in Kinesiology — 1-3 hrs.
Special topics as indicated in the Schedule of Classes. May be repeated when topics vary up to a maximum of 12 credits. (Fall and Spring)

KINES 6293. Research Experience in Kinesiology — 1-2 hrs.
Research on problems other than those for the thesis or in regular course offerings. May be repeated for maximum of 6 hours. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

KINES 6295. Internship — 1-4 hrs.
Experience in non-school settings or agencies. May be repeated for maximum of 4 hours. Prerequisite(s): consent of Graduate Advisor. (Fall, Spring, Summer)

KINES 6297. Practicum — 1-4 hrs.
Practical experience in teaching physical education and/or coaching at the college level and/or K-12 level. May be repeated for maximum of 6 hours. Prerequisite(s): consent of Graduate Advisor. (Fall, Spring, Summer)

KINES 6299. Research.
Fee assessed separately for laboratory materials and/or binding of thesis/research paper. May be repeated for maximum of 6 hours. Prerequisite(s): consent of department. (Fall, Spring, Summer)

Kinesiology, Allied Health and Human Services, Interdepartmental Courses (KAHHS)

Courses

KAHHS 1020. Dimensions of Wellbeing Lecture — 1 hr.
Overall, the Dimensions of Wellbeing course is designed to prepare students for healthy, proactive lifestyles through lecture, experiential learning, and various physical and wellbeing activities. The core dimensions of wellbeing for the purposes of this course include: physical, emotional, interpersonal, intellectual, spiritual, and environmental wellbeing. The lecture sections of Dimensions are designed to provide an underlying knowledge base for specific wellness topics and themes with a unifying emphasis on how these dimensions are intertwined and linked to overall quality of life. Specific health consumerism and health behavior change topics are also covered across the spectrum of Dimensions of Wellbeing course offerings. This course may not be repeated for additional credit. If a student has already satisfied this portion of the LAC Category 1D Dimensions of Wellbeing, it will be considered a repeat. (Fall, Spring, Summer)

KAHHS 1030. Dimensions of Wellbeing Lab — 1 hr.
Overall, the Dimensions of Wellbeing course is designed to prepare students for healthy, proactive lifestyles through lecture, experiential learning, and various physical and wellbeing activities. The core dimensions of wellbeing for the purposes of this course include:

physical, emotional, interpersonal, intellectual, spiritual, and environmental wellbeing. The laboratory sections of Dimensions are designed to apply specific skill-related knowledge, encourage healthy active lifestyles, and motivate students to learn and practice skills related to a wide spectrum of activities and experiences related to wellbeing dimensions. This course may not be repeated for additional credit. If a student has already satisfied this portion of the LAC Category 1D Dimensions of Wellbeing, it will be considered a repeat. (Fall, Spring, Summer)

KAHHS 2045. Health and Physical Education for Elementary Teachers — 3 hrs.
Methods and materials in health education and physical education appropriate for children. No credit given for students with credit in PEMES 2045. No credit given to Physical Education or Health Education majors or minors. Prerequisite(s): EDPSYCH 2030. (Fall and Spring)

KAHHS 6210. Quantitative Methods in KAHHS — 3 hrs.
Practical statistical applications commonly used in athletic training, health promotion and education, physical education, and leisure, youth and human services with a focus on the analysis and interpretation of data through the use of computer software packages. (Fall)

KAHHS 6215. Qualitative Methods — 3 hrs.
Application of qualitative methods of data collection and analysis to topics in athletic training, health promotion and education, physical education, and leisure, youth and human services. Prerequisite(s): SPED 6293 or equivalent. (Variable)

KAHHS 6290. Research Methods for KAHHS — 3 hrs.
Introduction to processes of research in health, physical education, and leisure services with an emphasis on critical analysis of literature, and identification of viable research projects. (Fall and Spring)

KAHHS 7329. Research and Evaluation Seminar — 1-6 hrs.
One hour taken each semester for six semesters for total of 6 hours. Applied approach to research and evaluation. Students plan and implement research and evaluation projects in athletic training, health promotion and education, youth development, leisure, and/or human services settings, working with teams of faculty and other students. Course content includes research methods, statistics, and writing for publication. Prerequisite(s): doctoral standing or consent of instructor. (Fall and Spring)

KAHHS 7365. Field Experience — 1-6 hrs.
Practical experience in leisure, youth and human services, health promotion and education, or athletic training. May be repeated to maximum of 6 hours with consent of student's advisor and graduate committee. (Fall, Spring, Summer)

KAHHS 7395. Internship — 1-6 hrs.
Practical experience in leisure, youth and human services with community agencies. May be repeated to maximum of 6 hours with consent of student's advisor and graduate committee. Prerequisite(s): Consent of graduate committee. (Fall, Spring, Summer)

KAHHS 7410. Critical Theories and Practices I — 3 hrs.
In-depth examination of current theories, philosophical foundations, history and current practices relevant to the allied health, recreation and community services fields. Building on foundational theory courses, students analyze and critique the organization and design of allied health, recreation and community services programs, based on setting and ideological model, in the U.S. and around the world. Students develop praxis design principles consistent with the developmental, normative focus of informal and formal education. Recommended for second year students. Prerequisite(s): consent of instructor. (Variable)

KAHHS 7412. Critical Theories and Practices II — 3 hrs.
Second course in a two-course sequence that surveys allied health, recreation and community services practices and theories in a wide variety of out-of-school and co-curricular settings. Covers theories, models, and best practices in the delivery of services. Students analyze and critique the organization and design of allied health, recreation and community services programs, based on setting and ideological model, in the U.S. and around the world. Students develop praxis design principles consistent with the developmental normative focus of informal and formal education. Recommended for third year students. Prerequisite(s): KAHHS 7410. (Variable)

Languages Courses (LANG)

Courses

LANG 2003. Preparation for Study Abroad — 2 hrs.
For students planning to study and travel abroad. Practical, social, geographic, and cultural aspects; some emphasis on contrasting American and foreign cultures. No credit on major or minor in foreign language. (Fall and Spring)

LANG 2020. Constructing Cross-Cultural Bridges — 3 hrs.
Within a Study Abroad experience, exploring multiple components of a specific culture firsthand; attention to the interrelationships among various cultural components such as history, religion, social values and practices, community organization, and language; course activities and requirements designed to increase intercultural understanding and effective interactions among individuals across different cultures. (Same as TESOL 3550) (Summer)

LANG 2030. Contemporary Culture and Identity: (Topic) — 3 hrs.
Designed for study abroad, this course will ask students to reflect on the role that culture plays in identity formation, comparing non-U.S. and U.S. cultures. May be repeated for credit under different topics. (Summer)

LANG 4093. Technology in Language Education — 3 hrs.
Based on current research and methodological approaches, enables critical selection, integration, and application of modern technology in language instruction. Prerequisite(s): for all students: junior standing. Prerequisites for Spanish Teaching majors and minors: SPAN 3001 or SPAN 3006 or SPAN 3050/5050. (Fall)

LANG 4198. Independent Study — 1-6 hrs.
(Variable)

LANG 4740/5740. Language Teaching Methods l — 3 hrs.
Approaches to teaching language that combine thematic, task-based, and communicative learning with a concern for students' individual differences. Attention to planning an effective lesson, including implementing language objectives, language teaching methods, and classroom management techniques that create a rigorous, positive, and equitable learning environment. Prerequisite(s) or corequisite(s): TESOL 4110/5110 or TESOL 4120/5120 or SPAN 3001 or SPAN 3050/5050 or SPAN 3006; junior standing. (Fall and Spring)

LANG 4750. Assessment in Language Learning — 3 hrs.
Survey of basic principles for assessing second language learning and the critical tools that enable fair and effective assessment of listening, speaking, reading, and writing performance. Emphasis on authentic and alternative assessment and to applying assessment principles

and tools to teaching practice. Prerequisite(s) or corequisite(s): LANG 4740/5740; junior standing. (Variable)

LANG 6090. Theory and Practice in Foreign Language Teaching — 1-3 hrs.
Synthesis of past and current theories of language acquisition with language teaching practice. May be repeated. Prerequisite(s): consent of instructor. (Fall)

LANG 6095. Research Methods in Culture and Literature — 3 hrs.
Prepares students in various aspects of cultural and literary criticism, use of critical approaches and latest library resources. Graduate students must take this course during first three resident semesters. (Fall and Spring)

Learning Technologies Courses (LRNTECH)

Courses

LRNTECH 1020. Secondary Educational Technology and Design — 2 hrs.
This is a foundational course that prepares secondary pre-service educators to facilitate student learning in technology-rich high school environments. The course provides hands-on experiences integrating technology, pedagogy, and content knowledge to support clearly-defined student learning outcomes. Pre-service teachers select and design technology-enhanced learning tools to promote collaboration, creativity, communication, and higher-order thinking skills in the classroom. Students explore contemporary topics related to educational media and technology trends in education. The following majors are waived from LRNTECH 1020: Department of Technology, Music Education, Art Education, Secondary Science teaching (Science Education, Biology, Chemistry, Earth Science, Mathematics Education and Physics), Secondary Business Education teaching, and Modern Language education. (Fall and Spring)

LRNTECH 1030. Creating Technology-Enhanced Learning Environments — 3 hrs.
Students engage in student-driven, project-based, hands-on learning opportunities. This involves connecting with local schools and technology specialists in the area, experimenting with the new interactive classroom tools, and engaging in problem-based learning. Techniques will be used to expand creativity of learners, collaboration and other higher-order thinking skills, while building the digital backpack of educators. Prerequisite(s): LRNTECH 1020 or LRNTECH 1031. (Spring)

LRNTECH 1031. Educational Technology and Design — 3 hrs.
This is a foundational course that prepares early childhood, elementary, and middle level pre-service educators to facilitate student learning in technology-rich Pre-K-12 environments. The course provides hands-on experiences that integrate technology, pedagogy, and content knowledge to support clearly-defined student learning outcomes. Pre-service teachers select and design technology-enhanced learning tools to promote collaboration, creativity, communication, and higher-order thinking skills in the classroom. In support of Iowa DoE's adoption of Computer Science Teachers Association (CSTA) Standards, the course includes a unit on integrating computer science and computational thinking in the mainstream K-12 curriculum. Students explore contemporary topics related to educational media and technology trends in education. (Fall and Spring)

LRNTECH 4110/5110. Developing and Directing Online Learning — 3 hrs.
Students explore online learning and pedagogical considerations when teaching at a distance. Students will actively engage in creating effective distance education experiences that engage online learners, address learner needs, and foster interactive learning environments. Prerequisite(s): LRNTECH 1020 or LRNTECH 1031; junior standing. (Spring)

LRNTECH 4131/5131. Exploring Issues and Trends in Learning Technologies — 3 hrs.
Students are prepared to critically examine contemporary issues, explore current research, and investigate emerging trends in educational technology. It involves students in strategies for making informed decisions concerning equity, ethics, and enhancing the curriculum. Prerequisite(s): LRNTECH 1020 or LRNTECH 1031; junior standing. (Fall)

LRNTECH 4138/5138. Understanding Visual Literacy — 3 hrs.
The use of computer-generated imagery in media is often misinterpreted, blurring the line between reality and fiction. This course empowers students to critically interpret visual messages, explain their impact on world cultures, and analyze how visuals influence learning and perception. Experiences will inform, extend, and empower students to be effective educators, designers, and leaders. Prerequisite(s): junior standing. (Fall)

LRNTECH 4153/5153. Developing Digital Learning Environments — 3 hrs.
Involves students in integrating leading-edge research about developing digital learning environments with hands-on experience. Students use digital and social media to create an inclusive interactive instructional environment and document their pedagogical choices as a final project. Prerequisite(s): LRNTECH 1030; junior standing. (Fall)

LRNTECH 4160. Learning Technology Projects — 1-3 hrs.
Independent learning technology projects. Credit to be determined at the time of registration; project, credit, and evaluation criteria require advance consent of instructor. May be repeated for a maximum of 3 hours. (Variable)

LRNTECH 4186/5186. Studies in Learning Technology — 1-3 hrs.
Individualized study of a specific problem or application in an area as determined by instructor and student. Prerequisite(s): junior standing. (Fall, Spring, Summer)

LRNTECH 4189. Readings in Learning Technology — 1-3 hrs.
Independent instructional technology projects. Credit to be determined at time of registration; project, credit and evaluation criteria require advance consent of instructor. (Fall, Spring, Summer)

LRNTECH 6208. Enhancing Learning Through Action Research — 3 hrs.
Action research engages educators with systematic investigation of practical solutions that improve their teaching practice. This course engages students in creating an action research proposal and preparing an IRB application for research. This proposal may be used as a starting point for the final masters paper. Prerequisite(s): LRNTECH 6240. (Fall)

LRNTECH 6215. Designing and Implementing Professional Development — 3 hrs.
This course emphasizes planning and producing activities essential for creating effective professional development in a range of formats. This course provides students with the vision and skill to design professional development experiences in a variety of formats, including flipped, hybrid, web-enhanced, and fully online. Students

in the cohort will collaborate on the development, marketing, and implementation of a professional development conference, webinar, or other PD experience offered to a real-world audience. Prerequisite(s): LRNTECH 5110. (Summer)

LRNTECH 6237. Creating Change through Digital Leadership — 3 hrs.
Explores leading change towards 21st century learning. Change theory is introduced and then applied to everyday educational systems. Leadership skills are developed through both theory and practical applications. (Fall)

LRNTECH 6240. Understanding Instructional Design — 3 hrs.
Students will apply a systematic instructional design model from the initial analysis through design, development and evaluation. Students will master the fundamental practices upon which the instructional design process is based. (Spring)

LRNTECH 6250. Writing a Graduate Paper/ePortfolio — 3 hrs.
This course refines skills in writing a Masters level Literature Review through the research, reading, writing and formatting of the paper. The Masters ePortfolio is organized, formatted and development begun. (Fall)

LRNTECH 6260. Advanced Learning Technology Projects — 1-3 hrs.
Independent learning technology projects. Credit to be determined at time of registration; project, credit and evaluation criteria require advance consent of instructor. May be repeated for maximum of 3 hours. (Fall, Spring, Summer)

LRNTECH 6285. Readings in Learning Technology — 1-3 hrs.
Reviews individualized selected readings in an area of emphasis as determined by instructor and student. May be repeated for maximum of 3 hours. (Fall, Spring, Summer)

LRNTECH 6286. Studies in Learning Technology — 1-3 hrs.
Individualized study of a specific problem or application in an area as determined by instructor and student. (Fall, Spring, Summer)

LRNTECH 6289. Seminar in Learning Technology — 3 hrs.
Provides the opportunity for candidates to explore a variety of topics in preparation for their profession. (Variable)

LRNTECH 6297. Practicum in Learning Technology — 2-3 hrs.
Students will be provided the opportunity to spend significant time on-site in a supervised position. This practicum experience assists students in discovering, developing and refining necessary competencies and skills for their proposed career goals. (Variable)

LRNTECH 6299. Research — 3 hrs.
Students complete their masters literature review/project report/ original research/journal article during this course. This is the final course of the program. Prerequisite(s): consent of department. (Fall, Spring, Summer)

LRNTECH 7340. Designing Instructional Systems — 3 hrs.
This doctoral level course engages students in creating innovative instructional projects by applying current research, multiple instructional design models and learning theories in the systematic instructional design process. (Variable)

Library Courses (LIBRARY)

Courses

LIBRARY 1030. Beyond Google: An Introduction to Information Literacy — 1 hr.
Introduction to the formats of information, techniques of information retrieval, and the social, economic, ethical, legal and political issues associated with the use, abuse, and ownership of information. Open to freshmen and sophomores. (Offered during both halves of the fall and spring semesters). (Fall and Spring)

LIBRARY 2100. Question Everything: Navigating Information Overload — 3 hrs.
We are bombarded with information from the moment we wake up in the morning (hello, cell phone) to the moment we go to sleep (goodnight, laptop). But how many of us actually question the sources of information or how information is produced and filtered? In today's information age it is essential to look at these questions and others so that we can better understand contemporary society and be prepared for future changes and challenges. Students will come away with skills to prepare them to be informed, responsible, and engage students, citizens, and professionals. (Fall and Spring)

Literacy Education Courses (LITED)

Courses

LITED 1044. Children's Literature — 3 hrs.
Evaluation, selection, and teaching of literature in the elementary school language arts program. Prerequisite(s): must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

LITED 3115. Methods of Teaching Early Literacy — 3 hrs.
Reading and writing instruction in grades PK-3, with an emphasis on integrating reading, writing, speaking, and listening, as well as integration across content areas. Prerequisite(s): Registration requires admission to Teacher Education program. Prerequisite(s) or corequisite(s): LITED 1044. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

LITED 3116. Methods of Teaching Content Literacy in the Intermediate Grades — 3 hrs.
Reading and writing instruction in grades 3-6, with an emphasis on integrating reading, writing, speaking, and listening, as well as integration across content areas. Prerequisite(s): ELEMECML 4150 or ELEMECML 4151/5151; LITED 1044; junior standing. Requires admission to teacher education program. Prerequisite(s) or corequisite(s): LITED 3115; must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

LITED 3119/5119. Language Development and Emergent Literacy — 3 hrs.
Theories underlying young children's acquisition of oral language and early reading and writing. Emphasis on implications for literacy curriculum in the primary grades and for addressing multilingual learners' rights and needs. Prerequisite(s): LITED 1044 and one of the following: LITED 3115, LITED 3116 or LITED 4117/5117 or consent of instructor; junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered LITED 3119/5119 or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Variable)

LITED 3121/5121. Children's Literature for Diversity and Social Justice — 3 hrs.
Issues and trends in children's literature, including use in elementary school programs. Focus on values, uses, and controversies related to children's literature by and about major American minority groups, including ethnic, religious, and socioeconomic minorities. Prerequisite(s): LITED 1044; junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered LITED 3119/5119 or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Variable)

LITED 4117/5117. Methods of Teaching Content Literacy at the Middle and Secondary Levels — 3 hrs.
Literacy instruction in the middle and secondary grades, including understanding the reading process, literacy across the curriculum, improving fluency, and assessment of literacy. Prerequisite(s): junior standing. Registration requires admission to Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

LITED 4140/5140. Assessment and Evaluation of Literacy — 3 hrs.
Introductory course in evaluating reading, writing, and language of individual children through formative and summative assessments and instruction within a classroom setting. Includes group and individual evaluation, informal assessment procedures, selection of materials, and instructional strategies to meet the needs of individual learners. Prerequisite(s): LITED 1044 or ENGLISH 4940/5940; LITED 3115, LITED 3116, or LITED 4117/5117; LITED 3119/5119 or LITED 3121/5121 or TESOL 4510/5510; or consent of instructor; junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered LITED 3119/5119 or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. Priority registration for Literacy Education minors and English teaching majors and minors. (Fall and Spring)

LITED 4147/5147. Advanced Literacy Practices — 3 hrs.
Selection, implementation, and interpretation of a variety of reading, writing, and language arts assessment procedures; small group literacy instruction, and, the development and implementation of effective individualized instructional programs. Prerequisite(s): LITED 1044 or ENGLISH 4940/5940/5940; LITED 3115, LITED 3116, or LITED 4117/5117; LITED 3119/5119 or LITED 3121/5121; LITED 4140/5140/5140; or consent of instructor; junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered LITED 3119/5119 or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. Priority registration for Literacy Education minors and English teaching majors and minors. (Fall and Spring)

LITED 4155/5155. English Language Structures and Usage for K-8 Educators — 1 hr.
The study of English language structures, usage, conventions, and variations across contexts. Emphasis on learning to teach these concepts to K-8 students, including English Language Learners. Prerequisite(s): junior standing. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Priority registration for Middle Level Education Dual majors. (Fall and Spring)

LITED 4192/5192. Experience in Literacy: Tutoring — 3 hrs.
Supervised tutoring in the University Reading Center or in a public school reading center. Prerequisite(s): LITED 4140/5140; junior standing. For the Literacy Eduation Minor, students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered LITED 3119/5119 or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. Corequisite(s): LITED 4147/5147. (Fall and Spring)

LITED 4193/5193. Experience in Literacy: Field — 1-2 hrs.
Supervised experience teaching in elementary or secondary reading programs. May be repeated for maximum of 4 hours. Prerequisite(s): junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered LITED 3119/5119 or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Fall and Spring)

LITED 6212. Methods and Materials in Literacy Education — 3 hrs.
Integrated approach to language learning within and across grades K-12, with a strong emphasis on reading and writing connections within content areas and across children's and young adult literature. Prerequisite(s): graduate standing; previous course work in literacy education or consent of instructor. (Variable)

LITED 6238. Advanced Assessment and Evaluation of Literacy Development — 3 hrs.
Experience in assessment and evaluation of literacy processes. An in depth examination of the interrelationship of assessment and evaluation to literacy development including current issues and practices. Prerequisite(s): graduate standing, previous course work in literacy education, or consent of instructor. (Variable)

LITED 6239. Advanced Literacy Curriculum Studies — 3 hrs.
Students locate, read, examine, analyze, and evaluate a variety of historical and contemporary research pieces on current issues and topics in literacy curriculum and instruction; make plans for research studies and write literature reviews, conference and grant proposals. Prerequisite(s): graduate standing or consent of instructor. (Variable)

LITED 6240. Language Development and Variability — 3 hrs.
Exploration of research on factors generally associated with variability in language and literacy development, on methods designed to promote language and literacy development, and on roles of teachers and parents in promoting this development in children with differences. Prerequisite(s): graduate standing, previous course work in literacy education, or consent of instructor. (Variable)

LITED 6245. Ideological, Cultural, and Sociopolitical Issues in Children's Literature — 3 hrs.
Advanced literacy course exploring ideological, cultural, social, and political issues in children's literature. Study in sociocultural contexts of literacy instruction, with critical analysis of literature as an instrument to inform and transform life as well as learning. Prerequisite(s): LITED 1044 or consent of instructor. (Variable)

LITED 6260. Roles of the Reading Specialist — 3 hrs.
Exploration of the five major leadership roles required of school personnel who serve as reading and language arts specialists. Prerequisite(s): graduate standing or consent of instructor. (Variable)

LITED 6289. Seminar — 2-4 hrs.
Seminar topics to be announced in Schedule of Classes. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Variable)

LITED 6290. Practicum — 2-4 hrs.
Supervised experience in teaching and/or supervision of instruction. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

LITED 6299. Research — 1-6 hrs.
Intended as the final course in the Curriculum and Instruction: Literacy Education program; focuses on completion of final research project

and preparation for comprehensive examination in a collaborative seminar setting. Thesis requires a total of 6 hours. Non-thesis requires a total of 3 hours. Prerequisite(s): consent of department. (Fall, Spring, Summer)

LITED 6301. Reading Recovery Teacher Clinical I — 3 hrs.
Participants in this course will develop understanding and expertise in: administering and analyzing the Observation Survey of Early Literacy Achievement, teaching Reading Recovery children, and understanding the theoretical basis of Reading Recovery instruction. Prerequisite(s): students must be hired for the position of Reading Recovery teacher in a school. (Fall)

LITED 6302. Reading Recovery Teacher Clinical II — 3 hrs.
Participants in this course will continue to develop deep understanding and expertise in teaching Reading Recovery children and in understanding the theoretical basis of Reading Recovery instruction. Prerequisite(s): students are required to have successfully completed LITED 6301 Reading Recovery Teacher Clinical I. (Variable)

LITED 6303. Literacy Lessons Teacher Clinical I — 3 hrs.
Participants in this course will develop expertise: in administering and analyzing An Observation Survey of Early Literacy Achievement, in teaching first, second or third grade children who are either identified as Special Education students with an IEP in reading or are English Language Learners (ELL) who are selected for Literacy Lessons instruction, and in understanding the theoretical basis for Literacy Lessons instruction. Prerequisite(s): Prerequisite(s): student must be employed for the position of Literacy Lessons teacher and as a Special Education or English as a Second Language teacher in a school. Prerequisite(s) or corequisite(s): Student must be employed for the position of Literacy Lessons teacher and as a Special Education or English as a Second Language teacher in a school. (Variable)

LITED 6304. Literacy Lessons Teacher Clinical II — 3 hrs.
Participants in this course will deepen and expand their expertise: in teaching first, second or third grade children who are either identified as Special Education students with an IEP in reading or are English Language Learners (ELL) who are selected for Literacy Lessons instruction, and in understanding the theoretical basis for Literacy Lessons instruction. Prerequisite(s): Student must be employed for the position of Literacy Lessons teacher and as a Special Education or English as a Second Language teacher in a school. Students are also required to have successfully completed LITED 6303 Literacy Lessons Teacher Clinical I. Prerequisite(s) or corequisite(s): Student must be employed for the position of Literacy Lessons teacher and as a Special Education or English as a Second Language teacher in a school. Students are also required to have successfully completed LITED 6303 Literacy Lessons Teacher Clinical I. (Variable)

LITED 7302. Reading Recovery Teacher Leader Clinical I — 3 hrs.
Participants in this course will develop expertise in administering and analyzing the Observation Survey, teaching Reading Recovery children, and understanding the theoretical basis of Reading Recovery instruction. Prerequisite(s): admission to this course requires admittance to Reading Recovery Teacher Leader Training. Requirements for admission to Reading Recovery Teacher Leader training include completion of a Master's degree in education or a related area. Successful completion of the Reading Recovery Teacher Leader training is based on successful completion of all the training courses. (Variable)

LITED 7303. Reading Recovery Teacher Leader Clinical II — 3 hrs.
Participants will continue to learn how to teach using Reading Recovery instructional practices. Prerequisite(s): admission to this course requires admittance to Reading Recovery Teacher leader Training and successful completion of LITED 7302. Requirements for admission to Reading Recovery Teacher Leader training include completion of a Master's degree in education or a related area. Successful completion of the Reading Recovery Teacher Leader training is based on successful completion of all the training courses. (Variable)

LITED 7304. Literacy Leadership I — 3 hrs.
Participants will develop skills required for the role of Reading Recovery teacher leader, Partnerships in Comprehensive Literacy (PCL) coach, or literacy coach in a school. This course includes both classes that meet regularly and field experiences. Prerequisite(s): admission to this course requires admission to the Reading Recovery teacher leader training program, Partnerships in Comprehensive Literacy Coach program, or an Ed.D. program with experience as a literacy teacher and permission of the instructor. (Fall)

LITED 7305. Literacy Leadership II — 3 hrs.
Participants will develop skills required for the role of Reading Recovery teacher leader, Partnerships in Comprehensive Literacy (PCL) coach, or literacy coach in a school. This course includes both classes that meet regularly and field experiences. Prerequisite(s): admission to this course requires admission to the Reading Recovery teacher leader training program, Partnerships in Comprehensive Literacy Coach program, or an Ed.D. program with experience as a literacy teacher and permission of the instructor. Admission to this course also requires successful completion of the LITED 7304 course. (Spring)

LITED 7306. Theories of Reading Difficulties — 3 hrs.
Students will learn theories and research about learning development, reading development, and reading difficulties. Prerequisite(s): admission to this course requires successful completion of the course LITED 7307. Admission to this course requires admission to the Reading Recovery teacher leader training program, Partnerships in Comprehensive Literacy Coach program, or an Ed.D. program with experience as a literacy teacher and permission of the instructor. (Spring)

LITED 7307. Theories of Reading and Writing Processes — 3 hrs.
Students will learn about theories of reading and writing development, including the topics of oral language, written language, phonology and orthography, and comprehending. Prerequisite(s): admission to this course requires admission to the Reading Recovery teacher leader training program, Partnerships in Comprehensive Literacy Coach program, or an Ed.D. program with experience as a literacy teacher and permission of the instructor. (Fall)

LITED 7310. Coaching in the Comprehensive Literacy Model — 3 hrs.
Coaching in the Comprehensive Literacy Model (CLM) is designed to begin the coursework for preparing a CLM coach for a school. CLM coaches support schools in implementing a seamless approach for comprehensive school improvement. Students will learn to use the Framework for Literacy, which uses a workshop approach for differentiating instruction to meet the needs of all students, including whole-group, small group, and one-to-one conferences. Schedules and organization techniques are provided and literacy components are discussed, including guided reading, literature discussion groups, shared reading, mini-lessons, focus units, and other literacy-related

topics. Other issues addressed include: literacy coaching, collaborative learning communities, intervention groups for struggling learners, and assessment walls for progress monitoring. Video examples and materials from Partnerships in Comprehensive Literacy (PCL) schools are used to illustrate how teachers are implementing comprehensive literacy components into the school day. Prerequisite(s): Master's Degree and accepted application from a school district or area education agency (or with Instructor's permission). (Summer)

LITED 7320. Coaching in the Comprehensive Intervention Model — 3 hrs.
Comprehensive Intervention Model (CIM) is the initial course for the preparation of CIM coaches who will provide professional development to CIM teachers in schools. The course focuses on how schools can implement the Comprehensive Intervention Model with a range of literacy interventions for meeting the diverse needs of struggling learners. Comprehensive intervention provides for the unique differences encountered among increasingly diverse schools. A comprehensive intervention plan enables school teams to be decision makers in planning and providing the most effective and highly tailored interventions based on the needs in a school. Highly tailored layers of support are provided to change the achievement profile of a school. The course will focus on differentiating reading and writing instruction within various settings, including supplemental and classroom for meeting the needs of struggling learners. The course will include details for implementing a portfolio of small group interventions, collaborating with teachers across intervention approaches, and using assessment data to monitor students' progress. An emphasis will be placed on the Comprehensive Intervention Model (CIM) as a Response to Intervention method. Prerequisite(s): Master's Degree and accepted application from a school district or area education agency or with Instructor's permission. (Summer)

LITED 7354. Curriculum Development and Evaluation in Reading/Language Arts — 3 hrs.
Current models, methodologies, and decision-making approaches for development and evaluation of K-12 programs. Prerequisite(s): ELEMECML 7352. (Variable)

LITED 7389. Seminar in Reading — 1 hr.
Series of one-hour seminars to accompany doctoral work in statistics, research, and practicum experiences. May be repeated for maximum of 3 hours. Prerequisite(s): consent of instructor. (Variable)

LITED 7397. Practicum in Reading — 1-4 hrs.
Supervised professional experience teaching reading education courses at the university level or participating in reading program supervision and consulting within a school district. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Variable)

Management Courses (MGMT)

Courses

MGMT 2032. Business Application Development I — 3 hrs.
Introduction to developing business applications using a modern business programming language. Emphasis on the fundamentals of the application development process, programming logic and logical structures, programming language syntax, program testing, and documentation. Prerequisite(s): MGMT 2080. (Fall and Spring)

MGMT 2034. Business Application Development II — 3 hrs.
In-depth exploration of developing business applications using a modern business programming language. Various features of the language are introduced to solve an array of business problems through programming projects. Prerequisite(s): MGMT 2032; MGMT 2080. (Fall and Spring)

MGMT 2036. Business Analytics Fundamentals — 3 hrs.
Provide the fundamental concepts and methods needed to understand the role of business analytics in organizations. Learn how to apply basic business analytics methods as well as how to use different techniques to visualize various types of data to aid in decision making. Develop an understanding of the fundamentals of communication and alignment around concepts that are required for effective data presentation. Allow for project-based opportunities to identify, understand, analyze, prepare, and present effective visualizations. Prerequisite(s): MGMT 2032. (Spring)

MGMT 2080. Introduction to Information Systems — 3 hrs.
Introduction to management information systems. Includes introduction to hardware and data communication technology, software and data management, and business applications of the technology. (Fall and Spring)

MGMT 2113. Business Communication — 3 hrs.
Application of business communication principles. Students will study and practice writing common business documents, presenting information, and working with others. Includes the study of non-verbal and interpersonal skills in the workplace as well as the use of email, social media, video-conferencing and other technology to effectively communicate to their audience. (Variable)

MGMT 3100. Legal and Social Environment of Business — 3 hrs.
Introduction to law. Contracts, torts, business ethics, government regulation of business; includes administrative, antitrust, discrimination, international, and product liability law. Prerequisite(s): junior standing. (Fall and Spring)

MGMT 3101. Business Law — 3 hrs.
Study of the common law of contracts and Article II of the Uniform Commercial Code. Prerequisite(s): junior standing. (Variable)

MGMT 3112. Systems Analysis and Design — 3 hrs.
The Systems Development Life Cycle: understanding SDLC phases and applying the tools of systems analysis through a course project. Includes project management, requirements definition, process and data modeling, user interface design, testing, conversion, and implementation. Prerequisite(s): MGMT 2032; junior standing. (Spring)

MGMT 3120. Database Management and Theory — 3 hrs.
Study of database theory and design and strategic management of data and databases, relational models and normalization, Structured Query Language, and the use of a relational database. Prerequisite(s): MGMT 2032; MGMT 2034 or MGMT 2036; MGMT 2080; junior standing. Prerequisite(s) or corequisite(s): MGMT 3112 or MGMT 3121. (Fall)

MGMT 3121. Advanced Business Analytics — 3 hrs.
Study of concepts, tools, and techniques for identifying business insights and the likelihood of future outcomes from data, including but not limited to classification, rule induction, pattern recognition, clustering methods and predictive analytics. Includes an introduction to prescriptive analytics utilizing optimization and simulation techniques. A hands-on approach using an appropriate programming language and associated software. Prerequisite(s): MGMT 2032; MGMT 2036. (Fall)

MGMT 3122. Business Intelligence — 3 hrs.
Business intelligence (BI) is a term describing a broad category of applications, technologies, architectures and processes for gathering, storing, accessing and analyzing data to provide business users with timely information to enable better insights into evidence-based decision making. BI is based on techniques for data decision capture, cleansing, validation, warehousing and analytics to help decision makers improve decision outcomes. This course builds the foundations for evidence-based managerial decision making and provides understanding of the concepts of managing data resources and the development of business intelligence capabilities using data visualization, data mining, analytical processing and other advanced BI topics. Prerequisite(s): MGMT 3120. (Spring)

MGMT 3125. Information Systems Development Projects — 3 hrs.
Apply a software development methodology to develop a working information system application for a client. Emphasis on iteratively determining requirements, developing, and testing. Includes client relationship, team work, project management, and user training. Prerequisite(s): MGMT 2032; MGMT 2034; MGMT 2080; MGMT 3112; MGMT 3120; junior standing. (Spring)

MGMT 3126. Business Analytics Projects — 3 hrs.
Using an agile, action learning approach, this course provides a hands-on analytics team project experience. Students apply business analytics concepts and skills to a real-world problem and prepare a consulting report and presentation. While gaining first-hand experience with business analytics, students are also adding value to a client organization by completing an applied project. Emphasis on iteratively determining requirements, data gathering, analysis, and reporting. Includes client relationship, team work, project management, and presentation skills. Prerequisite(s): MGMT 2032; MGMT 2036; MGMT 2080; MGMT 3120; MGMT 3121; junior standing. Prerequisite(s) or corequisite(s): MGMT 3122. (Spring)

MGMT 3127. Decision Support, Analytics and Business Intelligence — 3 hrs.
Study of decision support applications. Topics include decision making, modeling, and support; DSS development tools with particular emphasis on spreadsheet applications; and organizational and social implications of decision support systems. Prerequisite(s): MGMT 2032; MGMT 2034; MGMT 2080; MGMT 3112; junior standing. (Variable)

MGMT 3128. Business Application Development III — 3 hrs.
Study of advanced development tools and concepts, including markup languages, scripting languages, and/or Object Oriented Programming. Completion of projects. Prerequisite(s): MGMT 2032; MGMT 2034; MGMT 2080; junior standing. (Variable)

MGMT 3140. Information Systems Management — 3 hrs.
Professional approaches to managing an organization's Information Systems. Development of effective IS policies and procedures; examination of existing and emerging technological and business strategies and issues. Emphasis on evaluation and communication skills. Prerequisite(s): MGMT 2032; MGMT 2034; MGMT 2080; MGMT 3112; junior standing. Prerequisite(s) or corequisite(s): MGMT 3120. (Fall)

MGMT 3145. Information Systems Applications — 3 hrs.
Understanding current uses of information systems and technology to support organizational goals; the impact of information systems on the organization. Emphasis on design and development of personal productivity tool applications. May not be taken for credit by MIS majors. Prerequisite(s): MGMT 2080 or equivalent; junior standing. (Variable)

MGMT 3153. Organizational Management — 3 hrs.
Study of contemporary organizational concepts and issues and their practical implications for managerial behavior. Prerequisite(s): junior standing. (Fall and Spring)

MGMT 3154. Operations Management — 3 hrs.
Principles of management of productive processes in both manufacturing and service industries. Topics include organizational structure, product selection, process design, capacity and location management, quality management, forecasting, inventory management, and job design. Prerequisite(s): ACCT 2120; MGMT 2080; STAT 1772 or equivalent; ECON 2090; ECON 1011; junior standing. (Fall, Spring, Summer)

MGMT 3155. Human Resource Management — 3 hrs.
Provides an overview of the processes and practices involved in recruiting and managing critical human resources. Educates a manager about essential HRM competencies needed for today's organizations. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): MGMT 3965/5965. (Spring)

MGMT 3161. Supply Chain and Purchasing — 3 hrs.
Examination of the integrative management process of purchasing, producing, supplying, and distributing goods and services. Prerequisite(s): ACCT 2120; ACCT 2130; MGMT 2080; MGMT 3154; MGMT 3965/5965; STAT 1772 or equivalent; ECON 2090; ECON 1041; ECON 1051; ECON 1011; junior standing. (Fall)

MGMT 3163. Creative Problem Solving — 3 hrs.
Effective thinking about organizational problems. Topics include critical thinking; problem identification, definition, and analysis; alternative generation and evaluation; negotiation; and design. Prerequisite(s): MGMT 3965/5965; junior standing. (Fall and Spring)

MGMT 3166. Six Sigma and Lean Consulting Methodology — 3 hrs.
Students will gain an understanding of the Six Sigma methodology and the ability to apply it within an industrial organization, specifically students will obtain: The ability to determine what is important so that they can define the improvement opportunity, to measure process performance in order to understand how the organization is performing, to quantitatively analyze improvement opportunities in order to understand root causes, to generate improvement alternatives / solutions in order to determine what needs to be implemented, and to control / monitor the solution implementation through lean consulting, in order to guarantee that the performance improvements are realized. Prerequisite(s): ECON 1011; STAT 1772 or equivalent; ECON 2090; junior standing. (Variable)

MGMT 3167. Global Supply Chain Management — 3 hrs.
This course aims to develop an understanding of key devices of supply chain performance and their interrelationship with firm strategy. Special emphasis is given to understanding regional, national, and subnational attributes necessary to develop solutions for a variety of global supply chain problems. Prerequisite(s): MGMT 3154; ACCT 2120; ACCT 2130; MGMT 2080; STAT 1772 or equivalent; ECON 2090; ECON 1011; junior standing. (Spring)

MGMT 3168. Supply Chain Modeling and Analytics — 3 hrs.
This course introduces students to decision support models that are most frequently used in supply chain applications. The specific topics will include: 1) The role of decision support tools in dealing with a spectrum of supply chain problems; 2) Effective communication of

suggested solutions; and 3) Specific models and techniques planning, material requirement planning, inventory management, transportation, supply network design, quality management, and sourcing decisions. Use of basic and advanced spreadsheet modeling tools. Prerequisite(s): ACCT 2120; ACCT 2130; MKTG 2110; MGMT 2080; MGMT 3154; STAT 1772 or equivalent; ECON 1011; ECON 2090; ECON 1041; ECON 1051; junior standing. (Fall)

MGMT 3169. Management of Service Operations — 3 hrs.
Managing services, especially the operation's activity in service firms. Includes determining the service package, forecasting service demand, managing demand, capacity analysis and management, scheduling, cost control, service quality, and human resource management. Standardization, franchising, and service automation addressed. Prerequisite(s): ECON 1011 and ECON 2090; admittance to College of Business; junior standing. (Variable)

MGMT 3170. Special Problems — 1-3 hrs.
Credit determined at registration. Student will choose one of the following areas: 1. (Fall, Spring, Summer)

MGMT 3179. Cooperative Education — 1-3 hrs.
Compensated work experience in conjunction with an academic project conducted under faculty guidance. For majors only. May be repeated for maximum of 6 hours. Offered on credit/no credit basis only. Prerequisite(s): 2.70 cumulative UNI GPA; junior standing; consent of department head. (Fall, Spring, Summer)

MGMT 3183. Leadership Skills — 3 hrs.
Foundations of leadership. Skill development through case analyses, role plays, and experiential learning. Assessment/development of leadership competencies. Team building, negotiation, and conflict resolution. Prerequisite(s): MGMT 3965/5965; junior standing. (Spring)

MGMT 3185. Project Management — 3 hrs.
Development of leadership skills through management of organizational projects from selection to implementation. Includes management of project cost, quality, schedule, scope, risk, and communications. (Fall and Spring)

MGMT 3189/5189. International Management — 3 hrs.
Problems of organizing, financing, and operating multinational enterprises, and impact of multinational business upon a world economy. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MGMT 3905/5905. Employment and Labor Law — 3 hrs.
Legal and practical examination of employee selection, dismissal, discrimination, health and safety, labor relations and associated human resource management issues. Prerequisite(s): MGMT 3100 or MGMT 3101 or equivalent; junior standing. (Fall)

MGMT 3965/5965. Organizational Behavior — 3 hrs.
A systematic study of micro-level theoretical concepts and their strategic and practical implications for understanding, analyzing, and predicting individual and group behavior. Prerequisite(s): junior standing. (Fall, Spring, Summer)

MGMT 3966/5966. Staffing and Employee Development — 3 hrs.
Assessing staffing needs as part of strategic planning; maintaining appropriate staffing levels; designing and implementing training and development programs. Prerequisite(s): MGMT 3155; MGMT 3965/5965; junior standing. (Fall)

MGMT 3968/5968. Compensation and Performance Management Systems — 3 hrs.
Examination of the total compensation and performance management systems at multiple levels. Key topics include wage determination, salary structures, total rewards, benefits, performance assessment, performance management, and performance improvement. Prerequisite(s): MGMT 3155; MGMT 3965/5965; junior standing. (Spring)

MGMT 3969/5969. Management Internship — 1-3 hrs.
Uncompensated work experience in conjunction with an academic project conducted under faculty guidance. May be repeated for maximum of 6 hours. Offered on credit/no credit basis only. Prerequisite(s): 2.70 cumulative UNI GPA; junior standing; consent of department head. (Fall, Spring, Summer)

MGMT 3974/5974. Business, Ethics, and Society — 3 hrs.
Application of ethical principles and analytic methods to managerial decision-making and contemporary issues in business. Examination of the roles business does and should play in society. Specific topics will vary, in accordance with current events. Prerequisite(s): MGMT 3100; junior standing. (Fall and Variable Springs)

MGMT 3984/5984. Dynamics of Negotiations — 3 hrs.
Study of one-on-one and group deal-making processes of negotiation and conflict management skills as practiced in different settings faced by future leaders and managers. Prerequisite(s): MGMT 3965/5965; junior standing. (Fall and Spring)

MGMT 4175. Strategic Management — 3 hrs.
Study of strategy formulation and implementation processes. Focus on the application of integrative approaches to management through case analysis. For senior business majors. Prerequisite(s): completion of all other courses in the "business core"; ACCT 2120; ACCT 2130; MKTG 2110; MGMT 2080; MGMT 3100; MGMT 3154; MGMT 3965/5965; FIN 3130/5130; STAT 1772 or equivalent; ECON 2090; ECON 1041; ECON 1051; ECON 1011; senior standing. (Fall, Spring, Summer)

MGMT 6249. Management Information Systems Concepts — 3 hrs.
Provides students with knowledge of the role of information systems within an organization; systems, information and decision theory; information systems applications including decision support; and systems evaluation and selection. Prerequisite(s): consent of MBA Director. (Variable)

MGMT 6250. Business Strategy — 3 hrs.
Analysis of business environment, and the strategic response. Prerequisite(s): consent of MBA Director. (Variable)

MGMT 6260. Strategic Management of Human Resources — 3 hrs.
Principles of organizational behavior applied to managerial practices; strategic management of human resources to accomplish work and maximize organizational effectiveness. Prerequisite(s): consent of MBA Director. (Variable)

MGMT 6262. Cross-Functional Operations — 3 hrs.
Analysis and design of business operational decisions in complex production and service environments. Prerequisite(s): consent of MBA Director. (Variable)

MGMT 6272. Research and Analysis for Management Decisions — 3 hrs.
Study of the tools and techniques for business research and data analysis. Emphasis on applying the tools and techniques to determine,

define, and solve complex business problems and improve managerial decision making. Prerequisite(s): consent of MBA Director. (Variable)

MGMT 6276. Business Capstone Experience — 1 hr.
Analyze, solve, and present a solution to a complex, interdisciplinary business problem. Prerequisite(s): consent of MBA Director. (Variable)

MGMT 6278. Consulting Capstone Experience — 1 hr.
Acting as a member of a consulting team, analyze an organization's business situation and recommend a course of action. Prerequisite(s): GPA of 3.2 or higher or consent of MBA Director. Prerequisite(s) or corequisite(s): Consent of MBA Director. (Variable)

MGMT 6285. Individual Readings — 1-3 hrs.
Directed readings and reports. May be repeated for maximum of 4 hours. Prerequisite(s): consent of MBA Director. (Fall, Spring, Summer)

MGMT 6299. Research — 1-6 hrs.
Prerequisite(s): consent of MBA Director. (Fall, Spring, Summer)

Marketing and Entrepreneurship Courses (MKTG)

Courses

MKTG 2110. Principles of Marketing — 3 hrs.
Conceptual understanding and application of customer determination selection, product management, distribution, pricing considerations, and promotional activities within an economic and business environment as related to a strategic marketing plan. Prerequisite(s): ECON 1031 or ECON 1041. (Fall, Spring, Summer)

MKTG 3113/5113. Consumer Behavior — 3 hrs.
Behavioral science concepts, models, findings and methods applied to the buying process and marketing management decision-making. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MKTG 3116/5116. Marketing Analytics — 3 hrs.
Qualitative and quantitative analytical methods for collection, interpretation, and presentation of customer, market, and competitor data for marketing management decision-making. Prerequisite(s): MKTG 2110; MGMT 2080; STAT 1772 or equivalent; ECON 2090; ECON 1031 or ECON 1041; ECON 1011; junior standing. (Fall and Spring)

MKTG 3143. Advertising and Promotion — 3 hrs.
Decision making in advertising and consumer promotions, with focus on message strategy, targeting, and formulating highly responsive online campaigns. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MKTG 3146. Digital Advertising — 3 hrs.
Immersive hands-on study of digital advertising techniques and strategies in tradigital, social media, and mobile marketing, including the use of digital analytical tools to measure success. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MKTG 3148. Digital Customer Experience — 3 hrs.
Course will address customer experience development related to the creation of customer-focused digital experiences (websites, apps, augmented reality) that provide value. Research, strategy, planning, designing, prototyping, and measurement will be emphasized. Prerequisite(s): MKTG 2110 or consent of instructor. (Fall)

MKTG 3153. Professional Selling — 3 hrs.
Basic concepts and skills of professional selling, including customer analysis, communication skills, effective openings closings, and customer relations; selling skills concepts developed through the extensive use of sales exercises and cases. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MKTG 3154. Sales Management — 3 hrs.
Study of advanced selling techniques, planning account maintenance, strategic sales messaging and an introduction to customer relationship management (CRM) technology. Prerequisite(s): MKTG 2110; MKTG 3153; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MKTG 3155. Business to Business Marketing — 3 hrs.
The course is designed to provide an opportunity for students to understand managerial issues and challenges involved in the task of making products and services available to business customers. The course focuses on functions and behaviors in essentially an inter-organizational system that is designed to create value by effectively and efficiently linking points of production and the points of consumption in Business Markets. In essence, Business to Business (B2B) Marketing Management addressed how to understand, create, and deliver value when selling goods and services to other businesses, governments, and institutional customers. Students will learn how business markets differ from consumer markets, assess opportunities in business markets, and make marketing decisions that enable B2B companies to generate and deliver value for themselves, their business partners, and customers. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MKTG 3156. Services Marketing — 3 hrs.
Issues concerning quality customer service and improving business and non-profit strategies in the services industry. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MKTG 3163. Distribution and Logistics — 3 hrs.
Study of behavioral aspects of channel member relationships and third party facilitators; contemporary strategies in managing channel functions of products and services movement information to provide desired customer service levels. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall and Spring)

MKTG 3166. Retail Management — 3 hrs.
Examination of strategic retail management, situation analysis including store web, non-store forms of understanding customers gathering information, location planning, managing a retail business, merchandise management, pricing, and promotion. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Spring)

MKTG 3173. Product Management — 3 hrs.
Management of marketing offerings from brand development, through competitive analysis and messaging strategy, to marketing technology and customer experience. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall)

MKTG 3176/5176. Global Marketing — 3 hrs.
Assessment, adaptation and implementation of basic marketing principles to compete in the global marketplace utilizing real world scenarios. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Fall)

MKTG 3178/5178. Global Trade Practices — 3 hrs.
Application of processes and requirements for international or trade transactions; course develops knowledge skills required for the Certified Global Business Professional examination utilizing global management and marketing, supply chain, and trade finance tools. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Spring)

MKTG 3179. Cooperative Education in Marketing — 1-6 hrs.
Offered on credit/no-credit basis only. Not accepted for credit toward the Marketing major, but can be used as a university elective. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; UNI cumulative GPA of 2.50 or better; consent of department head. (Fall, Spring, Summer)

MKTG 3595. Value Based Pricing — 3 hrs.
Focus on the marketing task of assessing and recovering value by integrating the economic, behavioral, and psychological dimensions of pricing. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing. (Spring)

MKTG 4150. Advertising Campaign Development — 3 hrs.
Comprehensive development of an integrated advertising campaign created for a national client using relevant marketing data platforms in response to a real-world marketing challenge. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; MKTG 3143 or MKTG 3146 or Instructor approval; junior standing. (Spring)

MKTG 4170/5170. Marketing Strategy — 3 hrs.
Integration of major marketing functions from a managerial perspective. Emphasis on developing marketing strategies and applying strategic marketing decisions. Prerequisite(s): MKTG 2110; MKTG 3113/5113; MKTG 3116/5116; MGMT 2080; STAT 1772 or equivalent; ECON 2090; ECON 1031 or ECON 1041; ECON 1011; senior standing. (Fall and Spring)

MKTG 4198. Independent Study — 1-6 hrs.
Not accepted for credit toward the Marketing major, but can be used as a university elective. Prerequisite(s): MKTG 2110; ECON 1031 or ECON 1041; junior standing; consent of department head. (Fall, Spring, Summer)

MKTG 4595. Internship-Marketing — 2-8 hrs.
Full-time internship in a marketing-related business for a minimum of eight weeks. Maximum of 3 hours may be applied to Marketing major electives category. Prerequisite(s): MKTG 2110; MKTG 3113/5113; MKTG 3116/5116; MGMT 2080; STAT 1772 or equivalent; ECON 2090; ECON 1031 or ECON 1041; ECON 1011; UNI cumulative GPA of 2.50 or better; senior standing; consent of department head. (Fall, Spring, Summer)

MKTG 6170. Marketing Management — 3 hrs.
Integrated and applied approach utilizing modern marketing theory and practice by developing a framework for decision making and implementing a marketing program. Prerequisite(s): consent of MBA Director. (Variable)

MKTG 6285. Individual Readings — 1-3 hrs.
May be repeated for maximum of 4 hours. Prerequisite(s): consent of department head and MBA Director. (Fall, Spring, Summer)

MKTG 6297. Practicum — 1-3 hrs.
Prerequisite(s): consent of department head and MBA Director. (Fall, Spring, Summer)

MKTG 6299. Research — 1-6 hrs.
Prerequisite(s): consent of department head and MBA Director. (Fall, Spring, Summer)

MKTG 6595. Topics in Marketing — 1-3 hrs.
Selected topics in marketing. May be repeated for maximum of 6 hours. Anticipated typical credit of 1 hour. Prerequisite(s): consent of MBA Director. (Variable)

Mathematics Courses (MATH)

TO MEET ANY COURSE PREREQUISITE, GRADE OF C- OR HIGHER IS REQUIRED IN THE PREREQUISITE COURSE.

Courses

MATH 100. Intermediate Algebra — 3 hrs.
Fundamental mathematical concepts; functions and graphs; solutions of equations; systems of equations and inequalities; matrices and determinants. Does not count toward minimum hours required for baccalaureate degree. (Fall)

MATH 1000. Exploring Social Justice Issues through Mathematics — 3 hrs.
Exploration of a number of social justice issues through the lens of mathematics. Students will explore, understand, and respond to local and global social justice issues using mathematical concepts and ideas including geometry, statistics, and algebra. (Spring)

MATH 1100. Mathematics in Decision Making — 3 hrs.
Selection of mathematical topics and their applications with an emphasis on mathematical reasoning. Topics include probability and statistics. (Fall, Spring, Summer)

MATH 1110. Analysis for Business Students — 3 hrs.
Analysis and interpretation of data using numerical, graphical, and functional viewpoints; linear and exponential functions; modeling data using functions. No credit for students with credit in MATH 1140 or MATH 1120. Prerequisite(s): Satisfactory score on ALEKS exam. (Fall and Spring)

MATH 1120. Mathematics for Biological Sciences — 3 hrs.
Proportional reasoning, linear functions and linear regression, exponential functions, and logarithmic functions with scientific applications. No credit for students with credit in MATH 1110 or MATH 1140. Prerequisite(s): Satisfactory score on ALEKS exam. (Fall)

MATH 1130. Trigonometry — 2 hrs.
Trigonometric functions, solution of triangles and applications of simple harmonic motion, polar coordinates, and vectors. No credit for students with credit in MATH 1140. Prerequisite(s): Satisfactory score on ALEKS exam. (Spring)

MATH 1140. Precalculus — 4 hrs.
Pre-calculus mathematics; equations and inequalities; logarithms, exponential and circular functions; analytic trigonometry, analytic geometry, mathematical induction; applications. Credit reduced to 1 hour for students with credit in MATH 1110 or MATH 1120, and to 2 hours for students with credit in MATH 1130. Prerequisite(s): Satisfactory score on ALEKS exam. (Fall and Spring)

MATH 1150. Calculus for Technology — 4 hrs.
Survey of analytic geometry and elementary calculus with emphasis on applications. May not be applied to Mathematics major or minor. Prerequisite(s): Satisfactory score on ALEKS exam. (Spring)

MATH 1160. Calling Hogwash: Mathematics for Critical Thinking — 3 hrs.
This course will discuss how mathematics, statistics, and "mathematics" are used to persuade people, and to spread hogwash

with a veneer of scientific credibility. Example topics include uses and abuses of data visualization, choices in measures of center and spread, selective use of percentages, truncating axes, the relationship between correlation and causation, forms of bias, and abuses of Big Data. There will be discussions, videos, readings, and examples from current traditional and social media. There will be at least one project where students will apply these techniques to attempt to persuade their classmates of something important to them. (Fall)

MATH 1204. Mathematical Reasoning — 3 hrs.
Mathematics as problem solving, communication, connections, and reasoning. Includes whole numbers, rational number concepts, operations, and connections to algebraic thinking. (Fall and Spring)

MATH 1310. Technology for Secondary Mathematics Teachers — 3 hrs.
Introduction to technologies (calculators, spreadsheets, and dynamic geometric and statistical programs) used in mathematics classrooms (5-12). Activities to develop facility with the technologies while addressing mathematics and pedagogical implications. Prerequisite(s) or corequisite(s): MATH 1420. (Fall)

MATH 1420. Calculus I — 4 hrs.
Limits, differentiation, introduction to integration including the fundamental theorem of calculus. Prerequisite(s): Satisfactory score on ALEKS exam. (Fall and Spring)

MATH 1421. Calculus II — 4 hrs.
Integration techniques, sequences and series, applications. Prerequisite(s): C- or better in MATH 1420. (Fall and Spring)

MATH 1900. Mathematical Problem Solving — 1 hr.
Basic techniques used to solve challenging mathematics problems. Problems considered will come from a broad range of courses. Prepares students to take the William Lowell Putnam Examination and the Iowa Collegiate Mathematics Competition. May be repeated. (Fall and Spring)

MATH 2204. Mathematical Reasoning for Elementary Teachers II — 3 hrs.
Mathematics as problem solving, communication, connections, and reasoning. Includes data analysis, probability, and algebraic reasoning. Activities connected to elementary school mathematics. Designed for elementary education majors. Prerequisite(s): MATH 1204. (Fall and Spring)

MATH 2303. Introduction to Teaching Secondary Mathematics — 3 hrs.
Students will be introduced to National Council of Teachers of Mathematics Principles and Standards and research-based methods of teaching secondary mathematics while learning ways to teach proportional reasoning and rational numbers. A grade of C or better is required for MATH 3304. Prerequisite(s): admitted to Teacher Education; sophomore standing. (Spring)

MATH 2313. Topics in Secondary Mathematics — 3 hrs.
Investigation of selected topics from algebra, geometry and data analysis. Reasoning about topics in the context of the secondary mathematics curriculum. Prerequisite(s): TEACHING 2017; EDPSYCH 2030. (Spring)

MATH 2422. Calculus III — 4 hrs.
The derivatives and integrals of multi-variable functions and their applications; Gauss', Green's, and Stokes' theorems. Prerequisite(s): for Mathematics majors and minors: C- or better in MATH 1421 and MATH 2500. Prerequisites for non-Mathematics majors and minors: C- or better in MATH 1421; MATH 2500 or consent of department. (Fall and Spring)

MATH 2500. Linear Algebra for Applications — 3 hrs.
Gaussian elimination; matrix algebra; vector spaces, kernels, and other subspaces; orthogonal projection; eigenvalues and eigenvectors. Prerequisite(s): MATH 1420. (Fall and Spring)

MATH 2900. Discrete and Argumentative Mathematics — 3 hrs.
Logical argument techniques. The writing process in a mathematical context. Theory of sets, functions, and relations. Elements of graph theory. Prerequisite(s): MATH 1420. (Fall)

MATH 3203. Teaching Mathematics in the Elementary School — 3 hrs.
Effective instructional models and strategies for teaching elementary school mathematics; involves selecting and designing mathematical tasks, creating an environment, and orchestrating discourse. Using and supplementing mathematics materials within a sound psychological framework for making instructional decisions. Prerequisite(s): MATH 3204; UNI and cumulative GPA of 2.50 or better; full admission to teacher education is required. (Fall, Spring, Summer)

MATH 3204. Mathematical Reasoning for Elementary Teachers III — 3 hrs.
Mathematics as problem solving, communication, connections, and reasoning. Includes geometry, measurement, and proportionality. Activities connected to elementary school mathematics. Designed for elementary education majors. Prerequisite(s): MATH 2204; UNI and cumulative GPA of 2.50 or better; junior standing or consent of department. (Fall and Spring)

MATH 3211. Algebra — 3 hrs.
Investigation of problems involving patterns, variables, relations, functions, and their graphs. Exploration and representation of these problems using physical models and technology. Prerequisite(s): MATH 2204. (Fall and Spring)

MATH 3212. Introduction to Geometry and Measurement for Elementary Teachers — 3 hrs.
Van Hiele levels of thinking. Investigation of two- and three-dimensional concepts, rigid transformations, symmetry, and spatial sense. Prerequisite(s): MATH 3204; junior standing. (Fall and Spring)

MATH 3213. Topics in Mathematics for Grades K-8 — 3 hrs.
Investigation of number theory, extending ratio, proportion and probability with connections to rational numbers, algebra and geometry. Reasoning about topics in the context of the K-8 mathematics curriculum. Prerequisite(s): CS ED 1310; MATH 3204; junior standing. (Fall and Spring)

MATH 3214. Problem Solving in Mathematics for Elementary Teachers — 3 hrs.
Strategies for constructing and communicating a mathematics problem-solving process. Analysis of resources and strategies to generate mathematics tasks and to create an effective problem-solving environment. Problem solving as a means of constructing mathematics knowledge. Prerequisite(s): at least one of MATH 3211, MATH 3212, MATH 3213; junior standing. Prerequisite(s) or corequisite(s): MATH 3203. (Fall and Spring)

MATH 3302. Field Experience in Teaching Secondary Mathematics — 1 hr.
Field experience in which students are actively involved in preparing and teaching lessons in 6-12 mathematics classrooms. Teacher candidates will spend a minimum of 30 hours in math classrooms. In preparing, teaching and reflecting on their lessons, teacher

candidates will be expected to draw on theory and research related to teaching and learning processes, motivation, and classroom management and to discuss these theory/practice connections in required written assignments. Offered on credit/no credit basis only. Prerequisite(s): TEACHING 3128; EDPSYCH 3148; MEASRES 3150; MATH 3600/5600; MATH 4500/5500. Corequisite(s): MATH 3304. (Fall)

MATH 3304. The Teaching of Secondary Mathematics — 3 hrs.
Mathematics teaching strategies for grades 5-12; roles of content and methods; addressing the needs of diverse learners in secondary mathematics classes; assessing teaching and learning of secondary mathematics. A grade of C or better is required to be eligible for student teaching. Prerequisite(s): TEACHING 3128; EDPSYCH 3148; MEASRES 3150; MATH 3610/5610 or MATH 3600/5600; a grade of C or better in MATH 2303. (Fall)

MATH 3305. Connections: University Mathematics and the Secondary Curriculum — 3 hrs.
Connections between the undergraduate mathematics major and the secondary mathematics curriculum. Consideration of modern algebra, modern geometry, probability and statistics, calculus and number theory in the context of the secondary mathematics curriculum. Prerequisite(s): MATH 2303; MATH 4500/5500. (Spring)

MATH 3410/5410. Dynamical Systems: Chaos Theory and Fractals — 3 hrs.
Historical background, including examples of dynamical systems; orbits, fixed points, and periodic points; one-dimensional and two-dimensional chaos; fractals: Julia sets, the Mandelbrot set, and fractal dimension; computer programs and dynamical systems. Prerequisite(s): MATH 1421; MATH 2500; junior standing. (Even Falls)

MATH 3425/5425. Differential Equations — 3 hrs.
Elementary theory and applications of first order differential equations; introduction to numerical techniques of solving differential equations; solutions of nth order linear differential equations with constant coefficients. Prerequisite(s): MATH 2422; MATH 2500; junior standing. (Odd Falls)

MATH 3430/5430. Partial Differential Equations — 3 hrs.
Study of applied partial differential equations using heat, wave, and potential equations as basis; Fourier series and integrals; Laplace transformations. Prerequisite(s): MATH 3425/5425; junior standing. (Even Springs)

MATH 3440/5440. Numerical Analysis — 3 hrs.
Theory and application of standard numerical techniques dealing with nonlinear equations, systems of linear equations, interpolation and approximation, numerical differentiation and integration. Prerequisite(s): MATH 1421; MATH 2500; CS 1130 or CS 1160 or CS 1510 or equivalent; junior standing. (Odd Springs)

MATH 3530/5530. Combinatorics — 3 hrs.
Various ways to enumerate elements of a set and graph theory. Appropriate for mathematics, mathematics education, computer science, and actuarial science students. Prerequisite(s): MATH 1420 or CS 1800; junior standing. (Fall and Spring)

MATH 3600/5600. Euclidean Geometry — 3 hrs.
Topics of plane geometry beyond a first course; compass and straightedge constructions, the nine-point circle, Ceva's and Menelaus' theorems, triangle centers, conics, and tessellations. Prerequisite(s): MATH 1420 or equivalent; junior standing. (Fall and Spring)

MATH 3610/5610. Modern Geometries — 3 hrs.
Euclid's postulates serve as a model for studying various axiomatic systems defining incidence geometries. Geometries include finite geometries, plane geometry, neutral geometry, taxicab geometry, spherical geometry, and hyperbolic geometry. Prerequisite(s): MATH 2900 or MATH 3600/5600; junior standing. (Even Springs)

MATH 3630/5630. Differential Geometry — 3 hrs.
Analytic study of curves and surfaces in three-dimensional Euclidean space. Prerequisite(s): MATH 2422; MATH 2500; junior standing. (Odd Springs)

MATH 3640/5640. History of Mathematics — 3 hrs.
Survey of mathematical activities of humankind in numeration and number systems, algebra, number theory, and calculus from pre-history through the present day. Motives, influences, and methods affecting development of these mathematical topics in Mesopotamian, Egyptian, Greek, Islamic, Indian, Chinese, Native American, and Western civilizations. Ethnomathematics as related to these topics. Prerequisite(s): junior standing. (Variable)

MATH 3751. Probability and Statistics — 3 hrs.
Descriptive statistics and graphical representations, basic concepts of probability and distributions, random variables, expectations, sampling theory, tests of statistical significance. Calculus is employed in developing and applying these ideas. Specific attention devoted to the use of technology in motivating and explaining concepts and techniques. No credit with credit in STAT 3770, credit reduced to 1 hour for students with credit in STAT 1772. Prerequisite(s): MATH 1421. (Same as STAT 3751) (Spring)

MATH 3752/5752. Introduction to Probability — 3 hrs.
Axioms of probability, sample spaces having equally likely outcomes, conditional probability and independence, random variables, expectation, moment generating functions, jointly distributed random variables, weak law of large numbers, central limit theorem. Prerequisite(s): MATH 1421; junior standing. (Same as STAT 3752/5752) (Fall and Spring)

MATH 3780/5780. Mathematics of Finance — 3 hrs.
Measurement of interest, annuities, yield rates, amortization and sinking funds, bonds, term structure of interest rates, interest rate sensitivity, stocks and derivatives, elements of risk management. Prerequisite(s): MATH 1420; junior standing. (Same as ACT SCI 3780/5780) (Spring)

MATH 4198. Independent Study.
(Variable)

MATH 4420/5420. Advanced Calculus I — 3 hrs.
Algebraic and topological structure of the reals; limits and continuity; theory of differentiability of functions of a single real variable. Prerequisite(s): MATH 2422; MATH 2500; MATH 2900 or consent of the instructor; junior standing. (Fall)

MATH 4421/5421. Advanced Calculus II — 3 hrs.
Riemann integration; sequences and series of functions; introduction to Lebesgue integration. Prerequisite(s): MATH 4420/5420; junior standing. (Spring)

MATH 4460/5460. Introduction to Complex Analysis — 3 hrs.
Algebraic and geometric structure of of complex number system; elementary functions and mappings; differentiation and integration of functions of a single complex variable; analytic and harmonic functions. Prerequisite(s): MATH 2422; junior standing. (Odd Falls)

MATH 4500/5500. Modern Algebra I — 3 hrs.
Basic properties of rings, integral domains, and fields. Polynomials over fields. Ideals and quotient rings. Introduction to groups. Prerequisite(s): MATH 2500; MATH 2900; junior standing. (Fall)

MATH 4501/5501. Modern Algebra II — 3 hrs.
Groups, homomorphisms, and quotient groups. Field extensions, straightedge and compass constructions. Additional topics from group theory and field theory. Prerequisite(s): MATH 4500/5500; junior standing. (Spring)

MATH 4510/5510. Elementary Number Theory — 3 hrs.
Topics from properties of integers, prime numbers, congruences, cryptography, Pythagorean triples, Diophantine equations, Fermat's last theorem, Fibonacci numbers, and the golden rectangle. Also, number theoretic connections to abstract algebra. Prerequisite(s): MATH 2900; junior standing. (Spring and Even Falls)

MATH 4615/5615. Geometric Transformations — 3 hrs.
Isometries of the plane in context of Klein's definition of a geometry as a group acting on a set of points. Rotations, reflections, and translations are used to study congruence, similarity, and symmetry and to solve problems that would otherwise be difficult using analytic geometry and calculus. Prerequisite(s): MATH 2500; MATH 3610/5610 or MATH 3600/5600; junior standing. (Fall)

MATH 4641/5641. Topology I — 3 hrs.
Introductory study of metric spaces, completeness, topological spaces, continuous functions, compactness, connectedness, separability, product, and quotient spaces. Prerequisite(s): MATH 2422; MATH 2500; junior standing. (Even Springs)

MATH 4900. Senior Mathematics Seminar — 1 hr.
Researching and writing a paper exploring specific theme, topic, or problem in mathematics, culminating with oral presentation to the class. Prerequisite(s): senior mathematics major. (Fall and Spring)

MATH 4990. Undergraduate Research in Mathematics — 3 hrs.
Research on selected topic in mathematics with faculty supervision. Presentation of written paper at departmental seminar. Prerequisite(s): completion of the major core with minimum GPA of 3.00. (Fall and Spring)

MATH 6201. Foundations of Mathematics Education — 3 hrs.
Introduces current recommendations and policies regarding mathematics goals, content, frameworks, instructional strategies, and curricula. Investigates topics and documents with a focus on application and impact to classrooms. (Variable)

MATH 6205. Teaching Rational Numbers and Proportionality — 3 hrs.
Examination of literature, problems, and issues related to teaching fractions, decimals, ratios, proportion, and percent. Exploration of innovative strategies for developing concepts, skills, and proportional reasoning. Prerequisite(s): MATH 6201 or consent of department. (Variable)

MATH 6209. Mathematics Curriculum and Assessment — 3 hrs.
In this course, students will explore various curricula and strategies and practices for assessing students' thinking and performance. Multiple curricula and forms of quality assessment will be considered, with an emphasis on formative assessment, aligning assessment to instruction, and interpreting evidence. (Even Falls)

MATH 6212. Foundations of Algebraic Reasoning — 3 hrs.
Examination of algebraic standards, content, instructional strategies and curricula. Focus on application and impact on classroom practice, planning, and assessment in algebra. Focus on change in one's teaching and curriculum. (Summer)

MATH 6215. Foundations of Geometric Reasoning — 3 hrs.
Examine geometric standards, content, methods and curricula. Analyze student thinking, examine van Hiele levels and expand conceptions of proof. Focus on impact on one's own practice, planning and assessment. (Variable)

MATH 6216. Number and Operations — 3 hrs.
Examination of literature, problems, and issues related to the teaching of number and operations, with emphasis on whole numbers, decimals, and fractions. Reasoning about topics in the context and pedagogy of the K-8 mathematics curriculum and exploration of innovative problem solving strategies. (Even Summers)

MATH 6225. Teaching and Learning Mathematics — 3 hrs.
Exploration of instructional strategies to support mathematical learning of K-16 students with focus on your own practice. This includes establishing mathematical goals for learning, selecting appropriate tasks, facilitating classroom discourse, building conceptual understanding from procedural fluency, and using technology to enhance instruction. (Even Springs)

MATH 6227. Data Analysis, Probability, and Discrete Mathematical Reasoning — 3 hrs.
In this course, students will explore data collection, display, and interpretation methods including measures of central tendency; theoretical and empirical probability of single- and multi-stage events; and apportionment, fair division, and counting. Concepts will be explored through and connected to best mathematical teaching practices. (Odd Falls)

MATH 6236. Equity and Mathematics Education — 3 hrs.
Examines theories of race, gender, social class, and sexuality and how these theories play out in K-16 mathematics classrooms. Exploration of historical, political, and pedagogical issues within mathematics education. Includes history of treatment of minorities in mathematics education, teaching mathematics for social justice, culturally relevant mathematics pedagogy, and other pedagogies and theories related to teaching socioculturally diverse students. (Odd Springs)

MATH 6299. Research.
Prerequisite(s): consent of department. (Variable)

MATH 6370. Applied Linear Statistical Methods — 3 hrs.
Elements of experimental design. Statistical inferential processes, confidence intervals and hypothesis tests, for comparing means, medians and proportions from multiple groups. Prerequisite(s): STAT 1772, MATH 3751 or consent of instructor. (Fall and Spring)

MATH 6371. Probability and Statistical Inference — 3 hrs.
Discrete and continuous random variables, central limit theorem, regression, correlation, analysis of covariance and categorical data analysis. Multiple regression, ANOVA and categorical data analysis will provide students with tools to analyze real data sets. Prerequisite(s): STAT 1772 or MATH 3751 or consent of instructor. (Variable)

MATH 6381. Current Research in Mathematics Education — 3 hrs.
Understand purposes and methods of research in mathematics education with a focus on action research. Review mathematics education research and its implications for instruction. Conduct a classroom-based action research project. Prerequisite(s): MATH 6201 or consent of department. (Variable)

MATH 6410. Foundations of Calculus — 3 hrs.
Fundamentals of Calculus from the viewpoint of exploring reasons for the details that support Differential and Integral Calculus. Emphases on examples and proving justifications for a variety of mathematical statements. (Variable)

MATH 6420. Mathematical Analysis I — 3 hrs.
Set theory; the real number system; Lebesque measure; Lebesque integral. Prerequisite(s): MATH 4420/5420. Corequisite(s): MATH 4421/5421 or consent of instructor. (Odd Springs)

MATH 6421. Mathematical Analysis II — 3 hrs.
Differentiation and integration; classical Banach spaces; metric spaces; general measure and integration theory. Prerequisite(s): MATH 6420. (Spring)

MATH 6460. Complex Analysis I — 3 hrs.
Analyticity; differentiation and integration of functions of one complex variable; power series, Laurent series; calculus of residues. Prerequisite(s): MATH 4420/5420; MATH 4460/5460; or consent of instructor. (Spring)

MATH 6461. Complex Analysis II — 3 hrs.
Analytic continuation; harmonic functions; entire functions; conformal mapping; selected applications. Prerequisite(s): MATH 6460. (Variable)

MATH 6500. Abstract Algebra I — 3 hrs.
Groups: quotient groups, isomorphism theorems, products of groups, group actions, Sylow theorems, solvable and nilpotent groups. Rings and fields: quotient rings, rings of polynomials, integral domains, fields of fractions. Prerequisite(s): MATH 4500/5500. Corequisite(s): MATH 4501/5501 or consent of instructor. (Fall)

MATH 6501. Abstract Algebra II — 3 hrs.
Rings: arithmetic properties, prime and maximal ideals, Noetherian rings. Modules and vector spaces: linear transformations, free modules, finitely generated modules over PIDs, canonical forms. Fields: field extensions, Galois theory, solvability by radicals. Prerequisite(s): MATH 6500. (Spring)

MATH 6504. Advanced Linear Algebra — 3 hrs.
Vector spaces, linear transformations, matrices, eigenvalues and eigenvectors, canonical forms, bilinear and quadratic forms. Prerequisite(s): MATH 2500 or consent of instructor. (Odd Summers)

MATH 6510. Theory of Numbers — 3 hrs.
Mathematical study of integers: induction, divisibility, prime numbers, congruences, quadratic reciprocity, multiplicative functions. (Variable)

MATH 6530. Topics in Discrete Mathematics — 3 hrs.
Topics from combinatorics, graph theory, analysis and application of algorithms, recurrence relations, difference equations, linear programming, and mathematical induction. Applications of these topics in the secondary curriculum. Prerequisite(s): MATH 3530/5530 or MATH 4500/5500. (Variable)

MATH 6640. Topics in the History of Mathematics — 3 hrs.
Topics from history of algebra, analysis, arithmetic, geometry, number theory, probability, and topology as they appear in the development of Mesopotamian, Greek, Islamic, Indian, Chinese, and Western civilizations. May be repeated on different topic with consent of instructor. Prerequisite(s): MATH 3640/5640. (Variable)

MATH 6650. Topics in Mathematical Logic and Set Theory — 3 hrs.
Topics from the predicate calculus and first-order mathematical theories; the Godel completeness and incompleteness theorems; algebraic and many-valued logic; Boolean algebras, lattices, representation theorems, and models in set theory and mathematical logic; independence of the axioms of set theory (including the axiom of choice and the continuum hypothesis). May be repeated on different topic with consent of instructor. (Variable)

MATH 6670. Non-Euclidean Geometry — 3 hrs.
Historical development of geometry models that do not assume Euclid's fifth postulate. Emphasis on Poincare's disc and upper half-plane models, distance and area in the hyperbolic plane, and Mobius transformations. Prerequisite(s): MATH 2500; MATH 4500/5500; MATH 3610/5610 or MATH 3600/5600. (Variable)

MATH 6745. Deterministic Operations Research — 3 hrs.
Overview of optimization models, mathematical programming (linear, integer, goal), optimization software LINGO, transportation and assignment problems, network models (shortest-path, maximum-flow), multi-period planning problems. Prerequisite(s): MATH 2422; MATH 2500. (Fall and Spring)

MATH 6746. Probabilistic Operations Research — 3 hrs.
Decision making under uncertainty, Markov chains, deterministic and probabilistic dynamic programming, inventory control, production scheduling, supply chain management, portfolio optimizations. Prerequisite(s): MATH 2422; MATH 2500, MATH 3752/5752. (Same as STAT 6746) (Fall and Spring)

MATH 6747. Discrete-Event System Simulation — 3 hrs.
Discrete-event systems simulation theory including input analysis, output analysis; applications of simulation software ARENA to studying performances of systems such as bank services, call centers, material-handling systems, and computer networks. Prerequisite(s): MATH 2422; STAT 1772. (Same as STAT 6747) (Fall and Spring)

MATH 6748. Modeling Industrial Systems Using Queueing Networks — 3 hrs.
Queueing networks, applications to modeling and evaluating industrial systems such as flexible manufacturing systems, pull-type production systems, polling systems in computer networks, handoff schemes in cellular mobile networks; computational package MATLAB. Prerequisite(s): MATH 2422; MATH 2500; MATH 3752/5752. (Same as STAT 6748) (Fall and Spring)

MATH 6779. Topics in Probability and Statistics — 3 hrs.
Topics from correlation and regression analysis, analysis of variance and co-variance, non-parametric methods, order statistics. May be repeated on different topic with consent of instructor. Prerequisite(s): consent of instructor. (Same as STAT 6779) (Variable)

MATH 6795. Industrial Internship/Project — 6 hrs.
Mathematical analysis of industrial problems. Features work on a project of interest to a cooperating company. Oral and written reports required on the project. Prerequisite(s): approval of graduate coordinator and admittance to the P.S.M. program. (Variable)

MATH 6796. PSM Capstone Project — 3 hrs.
Mathematical/statistical modeling and analysis of a problem arising in industrial applications. Oral and written reports required on the project. Prerequisite(s): Approval of PSM-Industrial Mathematics coordinator and admittance to the PSM program in Industrial Mathematics. Completion of at least 9 hours in the PSM-Industrial Mathematics program. (Variable)

Measurement and Research Courses (MEASRES)

Courses

MEASRES 3150. Classroom Assessment — 2 hrs.
This course is an introduction to the purposes and development of classroom assessment with a focus on diagnostic, formative, and summative assessment. Additional course topics include assessment ethics, standards of quality in assessment, communication of assessment data, the use of assessment data to make instructional decisions, and standardized assessment. Physical Education majors may substitute KINES 3174 for MEASRES 3150. Early Childhood Education majors and Music Education majors will be waived from MEASRES 3150. Prerequisite(s): TEACHING 2017; EDPSYCH 2030. Registration requires full admission to the Teacher Education Program. Must have a cumulative 2.50 GPA or higher to enroll in this course. Prerequisite(s) or corequisite(s): TEACHING 3128; EDPSYCH 3148. (Fall, Spring, Summer)

MEASRES 4181/5181. Educational Evaluation in Teaching — 3 hrs.
Principles of measurement and evaluation in the elementary, secondary, and postsecondary schools. Test construction techniques for written tests and performance tests, with norm-referenced and criterion-referenced interpretations; uses of teacher-made instruments and standardized tests. Prerequisite(s): EDPSYCH 3148; MEASRES 3150 or equivalent; junior standing. (Variable)

MEASRES 6205. Educational Research — 3 hrs.
An introduction to research methods relevant to educational research with an emphasis on how these methods address the challenges of conducting research in applied settings such as schools. Course content includes a survey of major types of research designs (both quantitative and qualitative) and their associated approaches for minimizing bias, establishing validity, collecting data, and drawing conclusions. A primary goal of this course is to equip students with an understanding of basic concepts and tools so they can systematically locate, efficiently read and critically evaluate empirical research studies. (Fall, Spring, Summer)

MEASRES 6250. Descriptive Educational Research — 3 hrs.
Examination of theoretical and practical aspects of survey research including sampling, instrumental design and administration, and application of computer techniques to the analysis of survey information. Prerequisite(s): MEASRES 6205. (Variable)

MEASRES 6260. Monitoring Progress in Individuals and Groups — 3 hrs.
Examination of models, data collection methods, analysis, and report preparation for educational single-case, small group, and program evaluations. Attention to application of intervention evaluation in school settings. Prerequisite(s): Admission to the School Psychology Ed.S. Program. (Fall)

MEASRES 6270. Educational Program Evaluation — 3 hrs.
Examination of models, data-gathering methods, analysis, and report preparation for educational program evaluation; attention to application of evaluation research to specific school and non-school settings. Prerequisite(s): MEASRES 6205. (Variable)

MEASRES 6281. Statistics and Measurement — 3 hrs.
Application of statistical principles to research in school psychology. Topics selected from correlational analysis; reliability and validity; analysis of variance; sampling; chi-square, t, and F distributions. Emphasis on statistical inference and basic measurement principles. (Summer)

MEASRES 6282. Individual Intellectual Assessment — 4 hrs.
Administration, scoring, and interpretation of widely used scales of intelligence. Consideration of cognitive assessment issues, including conceptualizations of intelligence, racial and ethnic bias, and applications in school settings. Prerequisite(s): Admission to the MAE in Educational Psychology with Context and Techniques of Assessment Emphasis program (School Psychology program). (Fall)

MEASRES 6283. Academic Assessment and Intervention — 4 hrs.
Ecological approach to academic assessment and intervention; discussion of curriculum-based and standardized measures, ethical considerations and measurement principles; and introduction to academic interventions. Prerequisite(s): Admission to the MAE in Educational Psychology with Context and Techniques of Assessment Emphasis program (School Psychology program). (Spring)

MEASRES 6284. Psychosocial Assessment — 4 hrs.
Assessment of socio-emotional development of individual students, including interpretation and dissemination of results; ethical considerations and measurement principles. Prerequisite(s): Admission to the Ed.S. in School Psychology program. (Fall)

MEASRES 6285. Readings.
(Variable)

MEASRES 6287. Early Childhood Assessment and Intervention — 3 hrs.
In-depth study of the young child, birth through age 8, with a focus on development, assessment, intervention, and mental health. Prerequisite(s): admission to the Ed.S. program in School Psychology or instructor permission. (Spring)

MEASRES 6289. Seminar in Evaluation and Research.
(Variable)

MEASRES 6299. Research.
Prerequisite(s): consent of department. (Variable)

MEASRES 7310. Advanced Qualitative Methods in Educational Research — 3 hrs.
Seminar-style course to increase understanding of qualitative research approaches. Focus on mentoring of dissertation projects. Prerequisite(s): INTDEPED 7303; INTDEPED 7314; INTDEPED 7316. (Variable)

MEASRES 7330. Advanced Quantitative Research in Education — 3 hrs.
Seminar-style course intended to increase understanding of and ability to carry out quantitative research approaches. Focus on mentoring dissertation projects. Prerequisite(s): INTDEPED 7303, INTDEPED 7314, INTDEPED 7316, INTDEPED 7389. (Variable)

Military Science Courses (MIL SCI)

Basic Courses - MIL SCI 1091 through MIL SCI 1098
Advanced Courses - MIL SCI 3116 through MIL SCI 3192

Courses

MIL SCI 1090. Military Science Fitness Training — 1 hr.
This course is designed to use basic military training skills and instruction to develop confidence, leadership, and physical fitness. The team approach is utilized in the instruction and application of

Army physical fitness requirements. Students will learn various Army physical fitness techniques as well as how to conduct physical fitness sessions. Full participation in all events will be determined based on students physical and medical eligibility. (Fall and Spring)

MIL SCI 1091. Introduction to the Army and Critical Thinking — 1 hr.
Introduces students to the personal challenges and competencies that are critical for effective leadership in the military. Students learn how the personal development of life skills such as goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. Discussion, 1 hr./wk., lab arranged, plus 1 field trip. (Fall)

MIL SCI 1092. Introduction to the Profession of Arms — 1 hr.
Overviews leadership fundamentals for the military profession such as setting direction, problem-solving, listening, presenting briefs, providing feedback and using effective writing skills. Students explore dimensions of military leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Discussion, 1 hr./wk., lab arranged, plus 1 field trip. (Spring)

MIL SCI 1093. Leadership and Decision Making — 2 hrs.
Explores the dimensions of creative and innovative military leadership strategies and styles by studying historical case studies and engaging in interactive student exercises. Students practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises. Discussion, 2 hrs./wk., lab arranged, plus 1 field trip. (Fall)

MIL SCI 1094. Army Doctrine and Team Development — 2 hrs.
Examines the challenges of leading in complex contemporary military operational environments. Dimensions of the cross-cultural challenges of military leadership in a constantly changing world are highlighted and applied to practical leadership tasks and situations. Discussion 2 hrs./wk., lab arranged, plus 1 field trip. (Spring)

MIL SCI 1095. Military Survival Skills — 2 hrs.
Basic military survival principles are discussed in class and demonstrated during a Survival Weekend. Concepts taught are: shelter building, water and food gathering, land navigation, first aid, and rescue signaling. Discussion, 1 hr./wk.; lab, 1 hr./wk., plus 1 field trip. (Fall and Spring)

MIL SCI 1098. Military Science Leadership Practicum — 4-6 hrs.
A five-week summer program at Fort Knox, Kentucky, designed to provide leadership experiences to sophomores. Successful completion will qualify students to enroll in the ROTC Advanced Course. Prerequisite(s): departmental approval. (Summer)

MIL SCI 3116. Platoon Operations — 3 hrs.
Challenges students to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Students receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities. Discussion, 3 hrs./wk.; lab, 1 hr./wk. Prerequisite(s): departmental approval. (Fall)

MIL SCI 3117. Applied Leadership in Platoon Operations — 3 hrs.
Uses increasingly intense situational leadership challenges to build cadet awareness and skills in leading tactical operations up to platoon level. Students review aspects of combat, stability and support operations. They also conduct military briefings and develop proficiency in garrison operation orders. Discussion, 3 hrs./wk.; lab, 1 hr./wk. Prerequisite(s): departmental approval. (Spring)

MIL SCI 3118. Mission Command and the Army Profession — 3 hrs.
Develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Students assess risk, make ethical decisions, and lead fellow ROTC students. Lessons on military justice and personnel processes prepare cadets to make the transition to Army officers. Discussion, 3 hrs./wk.; lab, 1 hr./wk. Prerequisite(s): departmental approval. (Fall)

MIL SCI 3119. Mission Command and the Company Grade Officer — 3 hrs.
Explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Students examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with non-government organizations, civilians on the battlefield, and host national support. Discussion, 3 hrs./wk.; lab, 1 hr./wk. Prerequisite(s): departmental approval. (Spring)

MIL SCI 3189. Readings in Contemporary Military Issues — 1-6 hrs.
Individualized list of selected readings in an area of emphasis. Prerequisite(s): departmental approval. (Fall, Spring, Summer)

MIL SCI 3190. America's Military Past — 3 hrs.
Course is open to all students, however, it is an Army requirement. This course will furnish ROTC Cadets with the methodological tools and materials needed to gain a more detailed understanding of American Military History and to put together a major research paper. "CLASS" will emphasize basic research skills: understanding historiographical debates within a military framework, developing effective note taking, outlining techniques, picking a feasible research topic finding useful primary sources and drawing inferences from them, examining American military campaigns and leaders in order to complete a battle analysis, and short research assignments. (Fall and Spring)

MIL SCI 3192. Leadership Practicum — 4-6 hrs.
A five-week summer program at Fort Knox, Kentucky, designed to provide leadership development and opportunities for students participating in the Advanced Course. Prerequisite(s): departmental approval. (Summer)

MIL SCI 3195. Firearms Awareness and Safety — 2 hrs.
This course produces student understanding of Firearm Safety Awareness; who is familiar with individual roles and responsibilities in support of team efforts and problem solving processes in military and non-military situations; who demonstrates proper handling of firearms, how to maintain their systems, how to qualify themselves through Army style marksmanship program, and how to train others through leader development to execute this philosophy. (Fall and Spring)

Music Courses (MUSIC)

Courses

MUSIC 1100. Soundscapes: Music in Culture — 3 hrs.
This course will examine representative works from selected musical traditions in their cultural, historical, and stylistic contexts. Students will cultivate listening skills and music analytical vocabulary to better

identify, understand, and communicate about the musical experience as expression of meaning and purpose. (Fall, Spring, Summer)

MUSIC 6299. Research.
Guided independent research leading to significant project, research paper or thesis. Prerequisite(s): consent of department. (Variable)

Music, Applied Courses (MUS APPL)

Note: Before registration in Applied Music can be accomplished, the student must: 1) successfully complete an audition in the performance area (for composition students, a portfolio of original compositions must be submitted and accepted in lieu of an audition on an instrument or voice), and 2) meet the proficiency standards of the division.
All undergraduate music majors must be enrolled in applied music continuously from the first semester of residence until satisfactory completion of the Senior Recital. It is expected the Senior Recital will be given in the eighth semester of study (seventh semester for students in the Music Education program).
Credit hours for Applied Music study are classified as follows:
Performance -- 3 credit hours
Composition -- 2 or 3 credit hours
B.A. and Music Education -- 2 credit hours
Secondary -- 1 credit hour
Non-Music Major -- 1-2 credit hours
One hour (60 minutes) of individual instruction per week in the principal performing area (or a comparable equivalent arrangement of individual and/or small group instruction) is required for music majors. Practice and performance demands for *Performance* and *Composition* majors are generally more rigorous than those for the *Music Education* and B.A. majors. *Secondary Instrument* students will receive one half hour (30 minutes) of Applied Music instruction each week. *Non-Music* majors will receive either one hour or 30 minutes of instruction depending on the number of credit hours elected. Each student's credit hour load for Applied Music will be determined in consultation with a School of Music advisor in advance of registration. All students in the freshman music core will enroll for 2 semester hours of credit each semester. Students approved for the Performance major under the Bachelor of Music degree will register for 3 semester hours in Applied Music beginning in the *sophomore* year, and Composition majors will register for 3 semester hours in Applied Music beginning in the *junior* year.
Graduate students approved for the Performance, Piano Performance and Pedagogy, Composition, or Conducting majors under the Master of Music degree will register for 2, 3, or 4 (2-4) semester hours of credit in Applied Music during the fall or spring semesters in residence. Number of hours will be determined by the applied instructor and Associate Director.
The appropriate applied faculty will determine the level of the student's qualifications (MUS APPL 1XXX, 3XXX, 5XXX, 6XXX) by audition and/or previous work on an instrument or in voice. A 6000-level number can be assigned only to graduate students in Performance, Piano Performance and Pedagogy, Composition, and Conducting programs who have satisfactorily completed an audition and are preparing for a graduate major in voice, conducting, instrumental performance, or composition. All other graduate applied students shall be assessed and assigned by the applied teacher to 5000-level.

Courses

MUS APPL 1290. Bassoon.
Private applied music instruction in bassoon for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1300. Flute.
Private applied music instruction in flute for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1310. Oboe.
Private applied music instruction in oboe for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1320. Clarinet.
Private applied music instruction in clarinet for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1330. Applied Jazz Trombone — 1-4 hrs.
One hour (60 minutes) of individual instruction per week in the principal performing area is required for music majors. Secondary instrument students will receive one half hour (30 minutes) of instruction each week. Prerequisite(s): Pass audition for entrance into music program. (Fall and Spring)

MUS APPL 1340. Saxophone.
Private applied music instruction in saxophone for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1350. Horn.
Private applied music instruction in horn for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1360. Cornet-Trumpet.
Private applied music instruction in cornet-trumpet for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1370. Trombone.
Private applied music instruction in trombone for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1380. Euphonium.
Private applied music instruction in euphonium for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1390. Tuba.
Private applied music instruction in tuba for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1400. Percussion.
Private applied music instruction in percussion for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1410. Violin.
Private applied music instruction in violin for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1420. Viola.
Private applied music instruction in viola for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1430. Cello.
Private applied music instruction in cello for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1440. String Bass.
Private applied music instruction in string bass for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1450. Harp.
Private applied music instruction in harp for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1460. Piano.
Private applied music instruction in piano for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1467. Piano Proficiency.
no credit. Required of all undergraduate majors. (Fall and Spring)

MUS APPL 1470. Group Piano.
Group instruction in piano for non-keyboard majors pursuing a degree in music. (Fall and Spring)

MUS APPL 1480. Organ.
Private applied music instruction in organ for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1490. Voice.
Private applied music instruction in voice for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1500. Harpsichord.
Private applied music instruction in harpsichord for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1520. Guitar.
Private applied music instruction in guitar for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1530. Jazz Guitar.
Private applied music instruction in jazz guitar for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1540. Composition.
Private applied music instruction in composition for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1550. Jazz Improvisation.
Private applied music instruction in jazz improvisation for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1560. Jazz Bass.
Private applied music instruction in jazz bass for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1570. Jazz Piano.
Private applied music instruction in jazz piano for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1580. Jazz Saxophone.
Private applied music instruction in jazz saxophone for students pursuing a degree in music. (Fall and Spring)

MUS APPL 1XX5. Applied Music for the Non-Music Major.
Private applied music instruction for students not pursuing a degree program in music. Emphasis on basic skills oriented toward immediate performance needs. Credit normally will not be applied toward music major or minor requirements. (Fall and Spring)

MUS APPL 2600. Applied Piano Beyond Proficiency — 1 hr.
Piano instruction for students in music education and composition/theory programs who need lessons beyond Group Piano Level III. Prerequisite(s): Group Piano, Level III MUS APPL 1470:09 or 10. (Fall and Spring)

MUS APPL 3290/5290. Bassoon.
Private applied music instruction in bassoon for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3300/5300. Flute.
Private applied music instruction in flute for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3310/5310. Oboe.
Private applied music instruction in oboe for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3320/5320. Clarinet.
Private applied music instruction in clarinet for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3330/5330. Applied Jazz Trombone — 1-4 hrs.
One hour (60 minutes) of individual instruction per week in the principal performing area is required for music majors. Secondary instrument students will receive one half hour (30 minutes) of instruction each week. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3340/5340. Saxophone.
Private applied music instruction in saxophone for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3350/5350. Horn.
Private applied music instruction in horn for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3360/5360. Cornet Trumpet.
Private applied music instruction in cornet-trumpet for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3370/5370. Trombone.
Private applied music instruction in trombone for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3380/5380. Euphonium.
Private applied music instruction in euphonium for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3390/5390. Tuba.
Private applied music instruction in tuba for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3400/5400. Percussion.
Private applied music instruction in percussion for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3410/5410. Violin.
Private applied music instruction in violin for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3420/5420. Viola.
Private applied music instruction in viola for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3430/5430. Cello.
Private applied music instruction in cello for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3440/5440. String Bass.
Private applied music instruction in string bass for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3450/5450. Harp.
Private applied music instruction in harp for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3460/5460. Piano.
Private applied music instruction in piano for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3470/5470. Group Piano.
Group instruction in piano for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3480/5480. Organ.
Private applied music instruction in organ for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3490/5490. Voice.
Private applied music instruction in voice for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3500/5500. Harpsichord.
Private applied music instruction in harpsichord for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3520/5520. Guitar.
Private applied music instruction in guitar for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3530/5530. Jazz Guitar.
Private applied music instruction in jazz guitar for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3540/5540. Composition.
Private applied music instruction in composition for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3550/5550. Jazz Improvisation.
Private applied music instruction in jazz improvisation for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3560/5560. Jazz Bass.
Private applied music instruction in jazz bass for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3570/5570. Jazz Piano.
Private applied music instruction in jazz piano for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3580/5580. Jazz Saxophone.
Private applied music instruction in jazz saxophone for advanced students pursuing a degree in music. Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3780. Junior Recital.
no credit. Required of all juniors in the Performance major. (Fall and Spring)

MUS APPL 4890. Senior Recital.
no credit. Required of all seniors. Prerequisite: 3 hours at 100/3000/4000-level in major applied area. (Fall and Spring)

MUS APPL 6210. Instrumental Conducting — 2-4 hrs.
Advanced training in instrumental conducting. Prerequisite(s): admission to Master of Music in Conducting. (Variable)

MUS APPL 6220. Choral Conducting — 2-4 hrs.
Advanced training in choral conducting. Prerequisite(s): admission to Master of Music in Conducting. (Variable)

MUS APPL 6285. Readings.
Guided independent research leading to significant project, culminating paper or thesis. May be repeated on the same or different topics. (Variable)

MUS APPL 6286. Studies In _____.
May be repeated on same or different topics. (Variable)

MUS APPL 6290. Bassoon.
Graduate level applied bassoon instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6300. Flute.
Graduate level applied flute instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6310. Oboe.
Graduate level applied oboe instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6320. Clarinet.
Graduate level applied clarinet instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6330. Applied Jazz Trombone — 1-4 hrs.
Graduate level applied jazz trombone instruction appropriate to a student admitted to the Performance or Jazz Pedagogy programs. Prerequisite(s): Pass audition to be accepted as a graduate student in Jazz Trombone Performance or Jazz Pedagogy. (Fall and Spring)

MUS APPL 6340. Saxophone.
Graduate level applied saxophone instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6350. Horn.
Graduate level applied horn instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6360. Cornet-Trumpet.
Graduate level applied cornet-trumpet instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6370. Trombone.
Graduate level applied trombone instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6380. Euphonium.
Graduate level applied euphonium instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6390. Tuba.
Graduate level applied tuba instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6400. Percussion.
Graduate level applied percussion instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6410. Violin.
Graduate level applied violin instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6420. Viola.
Graduate level applied viola instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6430. Cello.
Graduate level applied cello instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6440. String Bass.
Graduate level applied string bass instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6450. Harp.
Graduate level applied harp instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6460. Piano.
Graduate level applied piano instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6470. Group Piano.
Graduate level group piano instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6480. Organ.
Graduate level applied organ instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6490. Voice.
Graduate level applied voice instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6500. Harpsichord.
Graduate level applied harpsichord instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6520. Guitar.
Graduate level applied guitar instruction appropriate to a student admitted to the Performance program. (Fall and Spring)

MUS APPL 6530. Jazz Guitar.
Graduate level applied jazz guitar instruction appropriate to a student admitted to the Performance and/or Jazz Pedagogy program. (Fall and Spring)

MUS APPL 6540. Composition.
Graduate level applied composition instruction appropriate to a student admitted to the Composition program. (Fall and Spring)

MUS APPL 6550. Jazz Improvisation.
Graduate level applied jazz improvisation instruction appropriate to a student admitted to the Performance and/or Jazz Pedagogy program. (Fall and Spring)

MUS APPL 6560. Jazz Bass.
Graduate level applied jazz bass instruction appropriate to a student admitted to the Performance and/or Jazz Pedagogy program. (Fall and Spring)

MUS APPL 6570. Jazz Piano.
Graduate level applied jazz piano instruction appropriate to a student admitted to the Performance and/or Jazz Pedagogy program. (Fall and Spring)

MUS APPL 6580. Jazz Saxophone.
Graduate level applied jazz saxophone instruction appropriate to a student admitted to the Performance and/or Jazz Pedagogy program. (Fall and Spring)

MUS APPL 6880. Graduate Recital.
no credit. Study of literature programmed for required graduate recitals. Required for students enrolled in Master of Music - Major in Performance, Conducting, Composition, or Jazz Pedagogy during the semester in which required recital occurs. Prerequisite(s): graduate standing; departmental approval or consent of applied instructor. (Fall and Spring)

MUS APPL 6890. Diploma Recital.
Required for students enrolled in Artist Diploma I and Artist Diploma II Certificate Programs during the semester(s) in which student presents recital. May be repeated once by students in Artist Diploma II program. Prerequisite(s): admission to Artist Diploma I or II program; departmental approval or written consent of applied instructor. (Fall and Spring)

Music Education and Methods Courses (MUS ED)

Courses

MUS ED 1100. Instrumental Techniques — 1 hr.
Areas: Woodwinds I, Woodwinds II, high brass, low brass, high strings, low strings, percussion, and harp. Emphasis on pedagogy relevant to the elementary or beginning student musician. One hour credit for each area. Areas may not be repeated for additional credit. (Variable)

MUS ED 1500. Introduction to Music Education — 2 hrs.
Overview of music education methodologies, philosophies, and techniques, including computer-based music instruction (CBMI). Techniques for audio and video recording of music ensembles. Prerequisite(s): accepted into Bachelor of Music-Music Education degree program or consent of instructor. (Fall and Spring)

MUS ED 1750. Guitar in the Classroom — 2 hrs.
Emphasizes accompanimental skills, fingerstyle and pickstyle, and scale/chord foundations in the keys most used for guitar; basic classical guitar technique is used in reading standard notation within the first four frets (first position). Learned repertoire includes traditional roots music (folk and blues) as well as popular styles. (Variable)

MUS ED 3010. Performing Arts Management Internship — 1-3 hrs.
Students gain practical experience working in an arts organization. May be repeated. Prerequisite(s): major in B.A. Music Performing Arts Management Specialization; junior standing. (Variable)

MUS ED 3020. Music Technology Internship — 1 hr.
Students gain practical experience working for an organization in which musical technology is a significant part of the services it offers. May be repeated. Prerequisite(s): major in B.A. Music Technology Specialization; junior standing. (Variable)

MUS ED 3030. Internship in String Pedagogy — 1 hr.
Students will complete internships in UNI Suzuki Program and Price Lab School, or School of Music non-major string students. May be repeated. Prerequisite(s): major in B.A. Music String Pedagogy Specialization; junior standing. (Variable)

MUS ED 3160. Popular Music Methods — 3 hrs.
Popular Music Methods provides skills to teach popular music in a classroom setting. Students learn the pedagogical approaches to teaching popular music as well as basic skills on popular musical instruments (guitar, bass, drumset, keyboard, ukulele, turntable). Prerequisite(s): junior standing or consent of instructor. (Fall and Spring)

MUS ED 3300/5300. Vocal Pedagogy and Vocology — 2 hrs.
Techniques of diagnosing and discussing vocal problems as related to the singing voice, and a survey of pedagogic materials. Actual teaching experience under supervision. Prerequisite(s): music major; junior standing. (Spring)

MUS ED 3380/5380. Instrumental Pedagogy — 2 hrs.
Topics vary depending upon instrument and instructor. Advanced techniques of solving physiological and psychological problems of performance. May be repeated with advisor approval. Prerequisite(s): MUS ED 1100 or teaching experience; junior standing. (Variable)

MUS ED 3410. Elementary/General Music Methods — 3 hrs.
Objectives and materials for and methods of teaching general music in public schools. Emphasis on contemporary approaches: Orff, Kodaly, Dalcroze, Integrated Arts, and other methodologies. Prerequisite(s): MUS ED 1500 with grade of C or higher; MUS THEO 2140; MUS THEO 2180; MUS THEO 2280; junior standing or consent of instructor. (Variable)

MUS ED 3450/5450. Developments and Trends in Music Education — 3 hrs.
Evolving issues important to music educators. May be repeated for credit. Prerequisite(s): MUS ED 1500; junior standing. (Variable)

MUS ED 3480/5480. Piano Pedagogy: Elementary — 2 hrs.
Methods and materials related to the teaching of the elementary piano student, including psychological and technical development. Addresses business aspects. Observations of teaching required. Prerequisite(s): junior standing. (Variable)

MUS ED 3495/5495. Music Learning and Motivation — 2 hrs.
Exploration of theories and concepts in music learning and pedagogy, including achievement goals, motivation, implementation and assessment. Students will gain knowledge of how to influence students' motivation and intervention strategies to create meaningful lessons. Prerequisite(s): junior standing. (Variable)

MUS ED 3640. Instrumental Methods: Jazz Band — 1 hr.
Jazz band methods and pedagogy for lessons and ensembles in the K-12 setting. Emphasis on rehearsal techniques and materials. Prerequisite(s): MUS ED 1500 with grade of C or higher; junior standing. (Spring)

MUS ED 3650. Choral Methods and Materials — 2 hrs.
Organization and development of public school choral organizations. Emphasis on rehearsal techniques, vocal production and blend, and materials suitable for choral ensembles. Evaluation techniques appropriate to school music setting. Prerequisite(s): MUS ED 1500 with grade of C or higher; junior standing or consent of instructor. Corequisite(s): MUS ED 3660. (Variable)

MUS ED 3660. Field Experience in Music Education — 1 hr.
Level III field experience in music education (25 hours). Prerequisite(s): Completion of Level II Field Experience, MUS ED 1500 (with a grade of C or higher), MUS TECH 1210 (with a grade of C or higher)or corequisite MUS TECH 1220, acceptance into Teacher Education Program. (Fall)

MUS ED 3670. Choral Methods for Instrumental Majors — 1 hr.
Methods of teaching singing; attention to vocal pedagogy, diction, and appropriate choral repertoire for elementary and secondary choral ensembles. Prerequisite(s): Acceptance into Instrumental Music Education program, MUS ED 1500 (with grade of C or higher). (Spring)

MUS ED 3680. Instrumental Methods for Choral Majors — 1 hr.
Introduction to wind, percussion, and string instruments; attention to instrumental methods, pedagogy and appropriate literature. Prerequisite(s): Acceptance into Choral/General Music Ed. program; MUS ED 1500 (with grade of C or higher). (Spring)

MUS ED 3970/5970. Instrumental Upkeep and Repair — 2 hrs.
Areas: woodwinds, strings, brass, and percussion. Laboratory course with practical projects undertaken. Offered for instrumental majors. Prerequisite(s): junior standing. (Variable)

MUS ED 4161. Instrumental Methods: Strings — 1 hr.
String methods and pedagogy for lessons and ensembles in a K-12 setting. Prerequisite(s): MUS ED 1100 section 06 or 07; MUS ED 1500 with grade of C or higher; junior standing. (Spring)

MUS ED 4162. Instrumental Methods: Marching Band — 1 hr.
Fundamentals training, music selection and arranging, administrative approaches, and drill charting for school marching bands. Prerequisite(s): MUS ED 1500 with grade of C or higher; junior standing. (Fall)

MUS ED 6210. Research Methodology in Music Education — 3 hrs.
Introduction to various research methodologies used in music education. Required of graduate Music Education majors. (Variable)

MUS ED 6285. Readings — 1-3 hrs.
Readings in Piano Pedagogy - 1-2 hrs. Independent readings from a selected list as approved by piano pedagogy instructor and department head. May be repeated on the same or different topics.
Readings in Music Education - 1-3 hrs. Readings in music education not normally covered in other courses. May be repeated on the same or different topics. Prerequisite(s): consent of instructor. (Variable)

MUS ED 6286. Studies in _____.
May be repeated on the same or different topics. (Variable)

MUS ED 6299. Research.
Guided independent research leading to significant project, culminating paper or thesis. Prerequisite(s): consent of department. (Variable)

MUS ED 6300. Foundations of Music Education — 3 hrs.
Examination of the foundations and underlying principles of music education. (Variable)

MUS ED 6500. Projects in Music Education — 1-3 hrs.
Students electing the non-thesis option will enroll in this course upon completion of course work. Course content consists of writing a final research paper. Students must enroll in this course continuously until the final research project has been completed. (Variable)

MUS ED 6520. Jazz Pedagogy — 2 hrs.
Methods and materials related to teaching of jazz, including jazz ensemble rehearsal techniques, improvisation, jazz theory, and listening techniques. Prerequisite(s): graduate standing or consent of instructor. (Variable)

MUS ED 6550. School Music Administration and Classroom Management — 3 hrs.
Philosophy, management, and public relations techniques and procedures associated with administration of elementary and secondary music programs. Prerequisite(s): graduate standing or consent of instructor. (Variable)

MUS ED 6570. Piano Pedagogy: Intermediate — 2 hrs.
Methods and materials related to teaching of the intermediate piano student including psychological development, repertory, technique, the transfer student, and use of technology. Specific techniques related to teaching concept of artistry addressed. Observation of teaching required. (Variable)

MUS ED 6580. Piano Pedagogy: Group and Adult — 2 hrs.
Materials and instructional techniques related to use of electronic piano lab, teaching of groups/class piano, and teaching adults. Exploration of curriculum planning and the benefits of group instruction in independent studio, public school, and university. (Variable)

MUS ED 6600. Piano Pedagogy: Internship — 1 hr.
Piano teaching assignments, determined in consultation with supervisor. Students in M.M. Piano Performance and Pedagogy program must enroll in two separate 1-hour internships. Corequisite(s): MUS ED 3480/5480, MUS ED 3495/5495, MUS ED 6570, or MUS ED 6580. (Variable)

MUS ED 6820. Seminar: Music Learning and Behavior — 3 hrs.
Exploration of behavioral, cognitive, and developmental theories affecting music teaching and learning. Required of graduate Music Education majors. (Variable)

MUS ED 6870. Measurement and Evaluation in Music — 3 hrs.
Study of the measurement and evaluation techniques for music aptitude and achievement. Emphasis on developing teacher-made tests and available standardized music tests. (Variable)

Music Ensembles Courses (MUS ENS)

Organization and Ensemble Credit: 1 semester hour of credit may be earned by a student who completes a semester in an approved ensemble. Ensembles may be repeated for credit. Maximum of 2 credits for organization and ensemble participation may be earned in any one semester. For students who have been awarded two or three music scholarships or are majoring in more than one instrument/voice, a maximum of 3 credits for organization and ensemble participation may be earned in any one semester (with approval from the Director of the School of Music). Maximum of 2 credits in Jazz Band I (except for B.A. Music, Jazz Specialization majors, who will fulfill the large ensemble requirement by taking 8 hours of large jazz ensembles - section 02, 03, or 04) or Chamber Singers may be counted by music majors toward departmental ensemble requirement (or electives for B.A. students). All music ensembles are open to any university student by audition.

Ensemble numbers are assigned as follows, based on the student's classification:

Courses

MUS ENS 1100. Chorus — 0-1 hrs.
Choral performance ensembles specializing in choral literature. (Concert Chorale, Chamber Singers, UNI Singers, Varsity Men's Glee Club, Cecilians, Cantorei). 0 hours is participation credit only. (Fall and Spring)

MUS ENS 1120. Ensemble — 0-1 hrs.
Instrumental performance ensembles specializing in literature appropriate to the instruments. (Chamber Wind Ensemble, Flute Choir, Kaji-Daiko-Taiko Ensemble, West African Drum Ensemble, Chamber Woodwind Ensemble, Percussion Ensemble, Tuba-Euphonium Ensemble, Horn Choir, Clarinet Ensemble, Saxophone Ensemble, etc.). 0 hours is participation credit only. (Variable)

MUS ENS 1121. Chamber Music — 1 hr.
Chamber music ensemble (small ensemble without conductor - strings, winds, brass, percussion, or mixed). Prerequisite(s): instructor consent required. (Fall and Spring)

MUS ENS 1150. Band — 0-1 hrs.
Band performance ensembles specializing in a range of concert literature appropriate to the ensemble. Wind Ensemble (Offered Fall and Spring); Symphonic Band (Offered Fall and Spring); Concert Band (Offered Spring): Marching Band (Offered Fall); Pep Band (Offered Spring with course meetings from late October to early March). 0 hours is participation credit only. (Fall and Spring)

MUS ENS 1160. Jazz Band — 0-1 hrs.
Instrumental performance ensemble specializing in jazz literature. 0 hours is participation credit only. (Fall and Spring)

MUS ENS 1170. Orchestra — 0-1 hrs.
Instrumental performance ensemble specializing in orchestral literature. 0 hours is participation credit only. (Fall and Spring)

MUS ENS 1180. Marching Band — 0-1 hrs.
Instrumental performance ensemble specializing in marching band literature. 0 hours is participation credit only. (Fall)

MUS ENS 1190. Opera — 0-1 hrs.
Vocal performance ensemble specializing in opera literature. 0 hours is participation credit only. (Fall and Spring)

MUS ENS 3100/5100. Chorus — 0-1 hrs.
(Concert Chorale, UNI Singers, Varsity Men's Glee Club, Cecilians, Cantorei.) 0 hours is participation credit only. Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3120/5120. Ensemble — 0-1 hrs.
(Chamber Wind Ensemble, Flute Choir, Kaji-Daiko-Taiko Ensemble, West African Drum Ensemble, Chamber Woodwind Ensemble, Percussion Ensemble, Tuba-Euphonium Ensemble, Horn Choir, Clarinet Ensemble, etc.). 0 hours is participation credit only. Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3121/5121. Chamber Music — 1 hr.
Chamber music ensemble (small ensemble without conductor - strings, winds, brass, percussion, or mixed). Prerequisite(s): instructor consent required; junior standing. (Variable)

MUS ENS 3150/5150. Band — 0-1 hrs.
Wind Ensemble (offered Fall and Spring); Symphonic Band (offered Fall and Spring); Concert Band (offered Spring); Marching Band (offered Fall); Pep Band (offered spring with course meetings from late October to early March. 0 hours is participation credit only. Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3160/5160. Jazz Band — 0-1 hrs.
Instrumental performance ensemble specializing in jazz literature. 0 hours is participation credit only. Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3170/5170. Orchestra — 0-1 hrs.
Instrumental performance ensemble specializing in orchestral literature. 0 hours is participation credit only. Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3180/5180. Marching Band — 0-1 hrs.
Instrumental performance ensemble specializing in marching band literature. 0 hours is participation credit only. Prerequisite(s): junior standing. (Fall)

MUS ENS 3190/5190. Opera — 1 hr.
Vocal performance ensemble specializing in opera literature. Prerequisite(s): junior standing; consent of instructor. (Fall and Spring)

Music History Courses (MUS HIST)

Courses

MUS HIST 1010. History of Music I: Antiquity Through Renaissance — 2 hrs.
Survey of musical trends from Antiquity through Renaissance. Emphasis on music listening techniques. (Variable)

MUS HIST 1020. History of Music II: Baroque and Classical — 3 hrs.
Continuation of 590:001. Survey of musical trends from the Baroque and Classical periods (1600-ca. 1800). Prerequisite(s): MUS HIST 1010. (Variable)

MUS HIST 1030. History of Music III: Romantic, Twentieth, and Twenty-First Centuries — 3 hrs.
Continuation of MUS HIST 1020. Survey of musical trends from the romantic era to the present (1800-present). Prerequisite(s): MUS HIST 1010; MUS HIST 1020 with a grade of C or higher. (Variable)

MUS HIST 3110/5110. Music History--Baroque — 3 hrs.
This course examines historical, stylistic, and aesthetic issues in music from 1600-1750. Prerequisite(s): MUS HIST 1030; junior standing. (Variable)

MUS HIST 3140/5140. Music History--Romantic — 3 hrs.
This course examines historical, stylistic, and aesthetic issues in music from 1800-1900. Prerequisite(s): MUS HIST 1030; junior standing. (Variable)

MUS HIST 3200/5200. Topics in Music History and Culture — 3 hrs.
Study of music history (specific topics vary) including historical perspective in relation to style and development of music, and the function of music in society and culture. The course may be repeated for credit on a different topic. Prerequisite(s): Undergraduates: successful completion of MUS HIST 1030 and junior standing. Graduates: successful completion of Music History diagnostic exam, or MUS HIST 3800/5800. (Fall and Spring)

MUS HIST 3300/5300. History of Opera — 3 hrs.
Development of opera from its inception (ca. 1600) to present. Prerequisite(s): junior standing. (Variable)

MUS HIST 3510/5510. Music of World Cultures — 3 hrs.
Study of non-Western music: Africa, Islam, India, Indo-China, Indonesia, China, and Japan, and role of music in these cultures. Prerequisite(s): junior standing. (Variable)

MUS HIST 3600/5600. Jazz History and Styles — 3 hrs.
Evolution of jazz styles and their relationship to social, economic, and political moods of the period; in-depth and detailed study of history and development of jazz in America. Prerequisite(s): junior standing. (Variable)

MUS HIST 3800/5800. Music History Survey for Graduates — 1-2 hrs.
Review of various style periods, media, and forms in music history of our culture. Required of all graduate students who do not demonstrate adequate proficiency as a result of the Graduate Music History Diagnostic Examination. May be repeated for credit. Does not count toward minimum degree requirements. Prerequisite(s): junior standing. (Variable)

MUS HIST 4194. Senior Thesis I — 2 hrs.
Focus on development and approval of thesis topic. Followed by MUS HIST 4195 Senior Thesis II. Prerequisite(s): MUS HIST 3XXX, senior standing and consent of instructor. (Fall)

MUS HIST 4195. Senior Thesis II — 2 hrs.
Continuation of MUS HIST 4194 Senior Thesis I. Focuses on completion of thesis and public presentation. Development and approval of thesis topic followed by completion of thesis and public presentation. Prerequisite(s): MUS HIST 3XXX, senior standing and consent of instructor. (Spring)

MUS HIST 6000. Foundations of Musicology — 3 hrs.
Preparation for graduate level work in musicology; includes research and writing techniques that will prepare students for writing a scholarly paper, introduction to and readings in musicology, and concurrent online review of music history fundamentals as determined by diagnostic result. (Fall)

MUS HIST 6285. Readings in Music History — 1-3 hrs.
May be repeated on the same or different topics. Prerequisite(s): consent of Graduate Coordinator in Music. (Variable)

MUS HIST 6286. Studies in _____.
May be repeated on the same or different topics. (Variable)

MUS HIST 6289. Seminar in Music History — 3 hrs.
Musicological research into the various areas of music. May be repeated on different topics. (Variable)

MUS HIST 6299. Research.
Guided independent research leading to/culminating in thesis. Prerequisite(s): consent of department. (Variable)

Music Literature Courses (MUS LIT)

Courses

MUS LIT 3200/5200. Performance Literature: _____ — 2 hrs.
Study of performance literature available for specific instrument or voice. Combination ensemble-literature course for the performer. MUS LIT 3200/5200(g)-01. Woodwinds. (Offered odd Springs) MUS LIT 3200/5200(g)-02. Brass. (Variable) MUS LIT 3200/5200(g)-03. Piano I. (Offered odd Falls) MUS LIT 3200/5200(g)-04. Piano II. (Offered even Springs) MUS LIT 3200/5200(g)-05. Organ. (Variable) MUS LIT 3200/5200(g)-06. Strings. (Variable) MUS LIT 3200/5200(g)-07. Percussion. (Variable) MUS LIT 3200/5200(g)-08. Voice I, English and German Vocal Literature. Study of vocal literature from English-speaking and German-speaking countries with regard to style, interpretation, and

historical context. (Variable) MUS LIT 3200/5200(g)-09. Voice II, Italian and French Vocal Literature. Study of vocal literature in Italian and French language with regard to style, interpretation and historical context. (Variable) MUS LIT 3200/5200(g)-10. Voice III, Special Topics. Study of vocal literature of specific composers, periods, languages, and/or genres with regard to style, interpretation, and historical context. (Variable) Prerequisite(s): junior standing. (Variable)

MUS LIT 3310/5310. History and Literature of Large Choral Forms — 3 hrs.
Development of large choral forms from the Renaissance to present. Emphasis on the Mass, contata, oratorio, passion, anthem, and contemporary uses of the chorus. Prerequisite(s): junior standing. Undergraduates must have completed or be enrolled in MUS THEO 3100. (Variable)

MUS LIT 3400/5400. History and Literature of the Orchestra — 3 hrs.
Orchestral literature from mid-18th century to present. Emphasis on structure of the symphony as a form and growth of the orchestra as an ensemble. Prerequisite(s): junior standing. Undergraduates must have completed or currently be enrolled in MUS THEO 3100. (Variable)

MUS LIT 3420/5420. History and Literature of the Wind Band — 3 hrs.
Growth and development of wind music from Gabrieli to present. Prerequisite(s): junior standing. Undergraduates must have completed or be enrolled for MUS THEO 3100. (Variable)

MUS LIT 6285. Readings.
May be repeated on the same or different topics. (Variable)

MUS LIT 6286. Studies in _____.
May be repeated on the same or different topics. (Variable)

MUS LIT 6299. Research.
Guided independent research leading to culminating paper or thesis. Prerequisite(s): consent of department. (Variable)

Music Techniques Courses (MUS TECH)

Courses

MUS TECH 1100. Double Reed Making Techniques — 1 hr.
Instruction in the techniques of making and adjusting bassoon, oboe, and English horn reeds. Section 01 for bassoon player; Section 02 for oboe/English horn players. May be repeated for credit. (For freshmen/sophomores.) (Fall and Spring)

MUS TECH 1170. Conducting I--Instrumental — 2 hrs.
Beginner training in instrumental conducting. Required of all instrumental music majors on teaching program. Prerequisite(s): MUS THEO 2140; MUS THEO 2180; MUS THEO 2280. (Fall)

MUS TECH 1180. Conducting I--Choral — 2 hrs.
Beginner training in choral conducting and rehearsal techniques. Required on the teaching degree for voice majors. Prerequisite(s): MUS THEO 2140; MUS THEO 2180; MUS THEO 2280. (Fall)

MUS TECH 1210. Conducting II--Instrumental — 3 hrs.
Advanced training in instrumental conducting with emphasis on orchestral and band scores and literature for small and large ensembles. Required of all instrumental music majors on teaching program. Prerequisite(s): MUS TECH 1170 (minimum grade of C). (Spring)

MUS TECH 1220. Conducting II--Choral — 3 hrs.
Training in choral conducting, rehearsal techniques, performance practices, and choral materials. Required on the teaching degree for voice majors and those keyboard majors who do not take MUS TECH 1210. Prerequisite(s): MUS TECH 1180 (minimum grade of C). (Spring)

MUS TECH 1300. Diction for Singers I — 1 hr.
An introductory study of the International Phonetic Alphabet, its application to English and Italian lyric diction for singing, and a survey of relevant recordings. Prerequisite(s): enrollment as a music major. (Fall)

MUS TECH 1310. Diction for Singers II — 1 hr.
A continuation in the study of the International Phonetic Alphabet, its application to German and French lyric diction for singing, and a survey of relevant recordings. Prerequisite(s): MUS TECH 1300. (Spring)

MUS TECH 1450. Vocal Coaching — 1-2 hrs.
Exploration of style, interpretation and lyric diction in the singer's repertoire. May be repeated for credit. Prerequisite(s): sophomore standing; consent of instructor; enrolled as music major. (Fall and Spring)

MUS TECH 1500. Instrumental Jazz Improvisation - Theory — 1 hr.
Elements of jazz theory, including ear-training and keyboard skills; preparation for jazz improvisation classes. Prerequisite(s) or corequisite(s): MUS THEO 1110 or consent of instructor. (Spring)

MUS TECH 1530. Instrumental Jazz Improvisation I — 1 hr.
Elements of jazz improvisation for instrumentalists. Prerequisite(s): For freshmen/sophomores: consent of instructor. (Fall)

MUS TECH 1550. Instrumental Jazz Improvisation II — 1 hr.
Elements of jazz improvisation - intermediate level. Prerequisite(s): For freshmen/sophomores: MUS TECH 1500; MUS TECH 1530; or consent of instructor. (Fall)

MUS TECH 1600. Opera Performance I — 1 hr.
Lab course exploring movement, imagination, and the relationship between words and music. A wide variety of acting exercises (improvisation, movement work, etc.) are used to deepen the understanding of and proficiency in performing art songs, arias, and music theatre numbers. May be repeated for credit. Prerequisite(s): ability to read and process music. (Variable)

MUS TECH 3100/5100. Double Reed Making Techniques — 1 hr.
Instruction in the techniques of making and adjusting bassoon, oboe, and English horn reeds. Section 01 for bassoon player; section 02 for oboe/English horn players. May be repeated for credit. For juniors/seniors/graduates. Prerequisite(s): junior standing. (Fall and Spring)

MUS TECH 3130/5130. Arts Entrepreneurship I — 3 hrs.
Overview of topics, tools and techniques necessary for successful pursuit of a management career in visual and performing arts. Focus areas including leadership, organizational dynamics and career planning. Prerequisite(s): junior standing. (Even Falls)

MUS TECH 3140/5140. Arts Entrepreneurship II — 3 hrs.
Emphasis on understanding of copyright, publicity rights, trademarks, finance, labor law, and First Amendment rights. Practical exercises in negotiation, contract development, budgeting and business plan creation. Prerequisite(s): MUS TECH 3130/5130; junior standing. (Odd Falls)

MUS TECH 3210/5210. Conducting III--Instrumental — 2 hrs.
Techniques of conducting band and orchestral works; score study and analysis of major works representing all style periods. Class work includes conducting major works in rehearsal. May be repeated for credit. Prerequisite(s): MUS TECH 1210; junior standing. (Variable)

MUS TECH 3250/5250. Alexander Technique for Musicians — 2 hrs.
Introduction to the principles of Alexander Technique and its application to music study and performance. Alexander Technique is a way of working to improve ease of movement, develop greater poise and confidence in performance of various activities, and preventing or recovering from injury. Prerequisite(s): junior standing. (Fall)

MUS TECH 3350/5350. Accompanying — 1 hr.
The art of accompanying, both vocal and instrumental literature. Practical experience as accompanist for student soloists in public performance. May be taken twice for credit. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): for undergraduates: MUS APPL 1460, MUS APPL 3460/5460, or consent of instructor. For graduates: MUS APPL 1460, MUS APPL 3460/5460, MUS APPL 6460, or consent of instructor. (Fall and Spring)

MUS TECH 3450/5450. Vocal Coaching — 1-2 hrs.
Exploration of style, interpretation and lyric diction in the singer's repertoire. May be repeated for credit. Prerequisite(s): junior standing; consent of instructor; enrolled as music major. (Fall and Spring)

MUS TECH 3500/5500. Instrumental Jazz Improvisation - Theory — 1 hr.
Elements of jazz theory, including ear-training and keyboard skills; preparation for improvisation. Prerequisite(s): consent of instructor. For juniors/seniors and graduate students. (Spring)

MUS TECH 3530/5530. Instrumental Jazz Improvisation I — 1 hr.
Elements of jazz improvisation for instrumentalists. Prerequisite(s): junior standing; consent of instructor. (Fall)

MUS TECH 3550/5550. Instrumental Jazz Improvisation II — 1 hr.
Elements of jazz improvisation for instrumentalists - intermediate level. Prerequisite(s): junior standing; MUS TECH 3500/5500; MUS TECH 3530/5530; or consent of instructor. (Fall)

MUS TECH 3610/5610. Opera Performance II — 2 hrs.
Advanced study of operatic material exploring emotional and psychological construction of a character and developing performing skills to create and sustain a role. Audition required. May be repeated for credit. Prerequisite(s): MUS TECH 1600 or consent of instructor; junior standing. (Variable)

MUS TECH 4130. Senior Project, Performing Arts Management.
0 hrs. Student will develop and complete a comprehensive Performing Arts Management project approved by the instructor. Credit/no credit only. Prerequisite(s): major in B.A. Music Performing Arts Management Specialization; senior standing. (Variable)

MUS TECH 6230. Advanced Vocal Performance — 1 hr.
Performance seminar focusing on advanced performance issues in vocal literature, including interpretation, and presentation. Required each semester in residence for all graduate voice students. Prerequisite(s): admission to M.M. in Voice or consent of instructor. (Fall and Spring)

MUS TECH 6285. Readings.
May be repeated on the same or different topics. (Variable)

MUS TECH 6286. Studies in _____.
May be repeated on the same or different topics. (Variable)

MUS TECH 6299. Research.
Guided independent research leading to significant project, culminating paper or thesis. Prerequisite(s): consent of department. (Variable)

Music Theory Courses (MUS THEO)

Courses

MUS THEO 1100. Introduction to Music Theory — 2 hrs.
Basic skills and vocabulary. For non-music majors with limited background in music fundamentals or as preparation for music major theory courses. Emphasis on notation, key/time signatures, rhythm, and aural training. (Variable)

MUS THEO 1110. Theory I — 2 hrs.
Review of basic music fundamentals and vocabulary, including pitch, rhythm, meter, scales, and key signatures. Writing/analysis techniques in diatonic harmony including intervals, triads and seventh chords, figured bass, lead-sheet notation, Roman Numeral analysis, cadences and harmonic rhythm. Study of melodic characteristics, sequences, and embellishing tones. Corequisite(s): for Music majors and minors only: MUS THEO 1150; MUS THEO 1250. (Fall)

MUS THEO 1120. Theory II — 2 hrs.
Introduction to two-voice counterpoint; four-part voice-leading and part-writing principles in diatonic harmony, including chords in all positions. Melodic principles, organization and composition; principles of harmonization with functional tonality; harmonizing and part-writing a melody for SATB. Prerequisite(s): MUS THEO 1110 with grade of C or higher, or placement by exam. Corequisite(s): for Music majors and minors only: MUS THEO 1160; MUS THEO 1260. (Spring)

MUS THEO 1150. Aural Training I — 1 hr.
Development of critical listening skills through melodic/rhythmic dictation and error detection; identification of meters, intervals, tetrachords, major and minor scale forms, and triad qualities; harmonic dictation with simple phrase chord progressions. Corequisite(s): MUS THEO 1110; MUS THEO 1250. (Fall)

MUS THEO 1160. Aural Training II — 1 hr.
Continuation of Aural Training I with more advanced development of critical listening skills. Melodic/rhythmic dictation and error detection/correction; identification of simple, compound and harmonic intervals, modes, whole tone and chromatic scales; seventh-chord-quality identification and harmonic dictation including all diatonic chords. Prerequisite(s): MUS THEO 1150 with grade of C or higher, MUS THEO 1110 and MUS THEO 1250 with a grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 1120; MUS THEO 1260. (Spring)

MUS THEO 1250. Sight-Singing I — 1 hr.
Development of music reading skills using tetrachords, major and minor scales, intervals within the octave, triads, and simple phrase chord progressions; sight reading of treble and bass clef melodies comprised of stepwise motion and skips within the tonic and dominant triads; rhythmic reading in simple and compound meters using division and subdivision of the beat. Corequisite(s): MUS THEO 1110; MUS THEO 1150. (Fall)

MUS THEO 1260. Sight-Singing II — 1 hr.
Continuation of Sight Singing I with further development of music reading skills using modes and the whole tone and chromatic scales; focus on diatonic motion that includes melodic use of all diatonic triads and seventh chords and more advanced diatonic skips; introduction to alto/tenor clefs; rhythmic reading using ties, rests, syncopation, borrowed rhythms, quintuplets and meters other than those with a quarter-note beat. Prerequisite(s): MUS THEO 1110, MUS THEO 1150, and MUS THEO 1250 with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 1120; MUS THEO 1160. (Spring)

MUS THEO 1300. Topics in Music Composition — 2 hrs.
Acquaints students with the rudiments of compositional techniques: traditional techniques, or electronic techniques. Designed for both major and non-major compositional study. Traditional Techniques topic is required for all beginning Composition-Theory Majors. Electronic Techniques is required for all Music Technology majors. May be taken twice for credit on different topic. (Variable)

MUS THEO 2130. Theory III — 2 hrs.
Continuation of Theory II with emphasis on modulation within functional tonality, including secondary and altered dominant function, and altered predominant sonorities. Small forms and linear chromaticism are also introduced. Prerequisite(s): MUS THEO 1120 with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2170; MUS THEO 2270. (Fall and Variable Springs)

MUS THEO 2140. Theory IV — 2 hrs.
Continuation and culmination of the Music Theory sequence with emphasis on fugue structures, chromatic harmony, non-functional tonal systems, and 20th-century/contemporary techniques, including set and 12-tone composition. Prerequisite(s): MUS THEO 2130 with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2180; MUS THEO 2280. (Spring and Variable Falls)

MUS THEO 2170. Aural Training III — 1 hr.
Continuation of Aural Training II with emphasis on dictation of harmonic/melodic modulation to closely related keys and short atonal intervallic melodies; Identification of all diatonic 7th chords. Prerequisite(s): MUS THEO 1120, MUS THEO 1160, and MUS THEO 1260 with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2130; MUS THEO 2270. (Fall and Variable Springs)

MUS THEO 2180. Aural Training IV — 1 hr.
Continuation and culmination of the Aural Training sequence. Emphasis on melodic and harmonic chromatic modulation and atonal melodic dictation. Altered predominant sonorities and asymmetric rhythmic structures are introduced. Prerequisite(s): MUS THEO 2130, MUS THEO 2170, and MUS THEO 2270 with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2140; MUS THEO 2280. (Spring and Variable Falls)

MUS THEO 2270. Sight-Singing III — 1 hr.
Continuation of Sight-Singing II. Emphasis on melodies with modulation to closely related keys, verticalization of harmonic structures through all diatonic 7th chords, alto and tenor clefs, all modes, major minor scales, atonal sequences and complex rhythmic structures in simple and compound meters. Prerequisite(s): MUS THEO 1120, MUS THEO 1160, and MUS THEO 1260 with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2130; MUS THEO 2170. (Fall and Variable Springs)

MUS THEO 2280. Sight-Singing IV — 1 hr.
Continuation and culmination of the Sight-singing sequence. Emphasis on modulatory, modal and atonal melodies, and verticalization of tonal harmonic progression with modulation, including altered predominant sonorities. Reading asymmetric rhythms, melodies in tenor and alto clef, and recognition and performance of whole-tone, octatonic and pentatonic scales. Prerequisite(s): MUS THEO 2130, MUS THEO 2170, and MUS THEO 2270 with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2140; MUS THEO 2180. (Spring and Variable Falls)

MUS THEO 3100. Analysis of Music — 2 hrs.
Study of forms and procedures prevalent in the works of major composers from 16th century to present. Prerequisite(s): MUS THEO 2130. (Variable)

MUS THEO 3200/5200. Topics in Music Theory and Analysis — 3 hrs.
Study of advanced music theory and analysis (specific topics vary) in relation to style and development of music. This course may be repeated for credit on a different topic. Prerequisite(s): for undergraduate students: MUS THEO 3100 or consent of instructor; junior standing. Prerequisite for graduate students: MUS THEO 6000; or consent of instructor. (Variable)

MUS THEO 3220/5220. Music and Technology — 4 hrs.
An introduction to the systems used to create, prepare, perform and distribute music. Because students entering this course come from a diverse set of backgrounds in music and digital media, the course will establish a common set of terms by focusing on basic acoustics, recording concepts and hardware, digital audio, MIDI, and DAW software. Lab activities will place an emphasis on the components and operation of the typical studio (hardware and software). Students will complete projects in areas such as audio recording, sampling, sound synthesis and basic electronic music composition that reinforce concepts. Prerequisite(s): junior standing. (Variable)

MUS THEO 3230/5230. Music Technology, Advanced — 4 hrs.
Further exploration of current applications in the music industry. Prerequisite(s): MUS THEO 3220/5220 with a grade of C or higher; junior standing. (Fall)

MUS THEO 3250/5250. Counterpoint Survey — 3 hrs.
A survey of polyphonic practice, including species counterpoint as well as 16th to 20th century approaches. Prerequisite(s): MUS THEO 2130; junior standing. (Variable)

MUS THEO 3260/5260. Orchestration — 3 hrs.
Transcribing or composing for orchestra, band, smaller instrumental ensembles, voice with orchestra, voice with band, chorus with band, or orchestra for various levels. Prerequisite(s): MUS THEO 2130; junior standing. (Variable)

MUS THEO 3270/5270. Jazz Arranging I — 2 hrs.
Basic skills for jazz composer/arranger, including instrument ranges, transposition, chord terminology, voicing and doubling principles, harmonization, chord substitution, form, and score organization. Emphasis on writing for jazz combo instrumentation up to five horns. Prerequisite(s): MUS THEO 1120; junior standing. (Fall)

MUS THEO 3280/5280. Jazz Arranging II — 2 hrs.
Continuation of MUS THEO 3270/5270. Emphasis on writing for full big band, including augmented instrumentation, contrapuntal and formal problems, score study, and analysis. Prerequisite(s): MUS THEO 3270/5270; junior standing. (Even Springs)

MUS THEO 3320/5320. Jazz Composition Class — 1 hr.
The composition of jazz improvisation vehicles in lead sheet form. Includes attention to various compositional devices and the analysis of selected jazz compositions. Prerequisite(s): MUS TECH 3520; MUS THEO 2140; junior standing. (Variable)

MUS THEO 3800/5800. Theory Survey for Graduates — 2 hrs.
Review of theoretical principles and methods of analysis. Required of all graduate students who do not demonstrate adequate proficiency as a result of the Graduate Theory Diagnostic Examination. Does not count toward minimum degree requirements. Prerequisite(s): junior standing. (Variable)

MUS THEO 4900. Senior Project, Music Technology.
0 hrs. Comprehensive project relevant to Music Technology, as approved by instructor. Credit/no credit only. Prerequisite(s): major in B.A. Music, Music Technology Specialization; senior standing. (Variable)

MUS THEO 6000. Foundations of Musical Analysis — 3 hrs.
Preparation for graduate level work in music theory and analysis; includes readings in music theory, introduction of advanced analytical techniques and systems, and concurrent online review of music theory fundamentals as determined by diagnostic result. (Spring)

MUS THEO 6299. Research.
Guided independent research leading to significant project, culminating paper or thesis. Prerequisite(s): consent of department. (Variable)

Philosophy Courses (PHIL)

Courses

PHIL 1020. Philosophy: The Art of Thinking — 3 hrs.
Introductory exploration of the Western philosophical tradition. Topics may include the nature of happiness, freedom responsibility, truth knowledge, faith reason, and the self personal identity. Emphasis on critical thinking, logical reasoning, careful reading, and effective writing. (Fall, Spring, Summer)

PHIL 1030. Elementary Logic — 3 hrs.
Critical thinking, using both formal and informal methods, including proof techniques and recognizing logical fallacies. Enhances reading, writing, and thinking in any area of study, and in preparing for grad-school exams (e.g., LSAT, GMAT, and GRE). (Fall and Spring)

PHIL 1040. Justice and the Good Life: Philosophical Perspectives — 3 hrs.
What makes a society just or unjust? What does it mean to lead a good life? The course will provide philosophical perspectives on these questions, including investigations of the principles and virtues that should guide how we interact with others in our communities and lead meaningful lives. (Fall and Spring)

PHIL 1050. The Art of Critical Thinking and Writing — 3 hrs.
The course aims to develop fundamental skills of critical thinking and writing academic essays at the college level and enable students to make the most of their college education. As part of their coursework, students will use the skills they develop in the course to think critically and write with skill, clarity, and rigor on a range of issues that are meaningful to them and relevant to their lives as college students and as citizens. Class sessions will combine lecture and discussion, including small group work. (Fall and Spring)

PHIL 1080. World Philosophies — 3 hrs.
This course introduces multiple philosophical traditions around the globe. One focus is on finding common and diverging themes demonstrating shared human interests across differences. Another is the demonstration of unique philosophical ideas and developments of societies and cultures often given little attention in traditional philosophy courses. (Fall and Spring)

PHIL 1540. Ethics in Business — 3 hrs.
Application of ethical principles and analytic methods to contemporary issues in business. Topics include moral responsibility of corporations and their regulation; economic policy, business practices, and social justice; rights and obligations of employers and employees; meaningful work, motivation, and the worker; affirmative action and reverse discrimination; environment and natural limits of capitalism. (Same as RELS 1540) (Variable)

PHIL 1560. Science, Technology, and Ethics (STE) — 3 hrs.
The course is an interdisciplinary survey of ethical issues raised by recent developments in science and technology. Sample topics include, but are not limited to, artificial intelligence, genetic engineering, big data, privacy, energy, medicine, and science itself. (Fall and Spring)

PHIL 2140. Philosophy of Religion — 3 hrs.
Examination of philosophical discussions on the nature and function of religion and religious language; special attention to how philosophical frameworks and methods shape understanding of religion and talk about God and human fulfillment. (Same as RELS 2140) (Variable)

PHIL 2210. Dawn of Western Thought: Ancient Philosophy — 3 hrs.
History of philosophy from the Pre-Socratics to late antiquity, with emphasis on Plato and Aristotle. (Odd Falls)

PHIL 2220. Faith and Reason: Philosophy in the Middle Ages — 3 hrs.
Traces the historical development of philosophical thought on the interrelation of religious faith and reason, from late Roman times through the Middle Ages, in Jewish, Christian, and Islamic philosophical traditions. (Same as RELS 2220) (Even Springs)

PHIL 2230. The Age of Reason: Philosophy in the Renaissance and Enlightenment — 3 hrs.
History of philosophy from Renaissance through Hume, with emphasis on continental rationalism and British empiricism. (Even Falls)

PHIL 2240. The Limits of Reason: Modern Philosophy — 3 hrs.
History of philosophy from Kant to present; emphasis on idealism, romanticism, materialism, positivism, phenomenology, existentialism. (Odd Springs)

PHIL 2500. Ethics — 3 hrs.
Study of the major schools of ethical theory through reading major thinkers and their contemporary commentators. Examination of selected theoretical and practical problems in contemporary ethics. (Variable)

PHIL 2550. Environmental Ethics — 3 hrs.
Introduction to and application of ethical theory to environmental issues, including responsibility for plants and animals, pollution, natural resources, and population growth. (Same as RELS 2550) (Variable)

PHIL 2570. Good Sex: The Ethics of Human Sexuality — 3 hrs.
This course introduces students to a range of ethical perspectives (religious and non-) on what constitutes good sex, morally speaking. It then brings these perspectives to bear on a number of issues in the

realm of sexual ethics including: homosexuality, casual sex, sex for sale, and abortion. [Same as RELS 2570] (Even Springs)

PHIL 3110. Perspectives on Death and Dying — 3 hrs.
Multidisciplinary study of death, dying, and bereavement across cultures, religious and ethnic groups, and historical periods, with attention to ritual and memoir, ethical dilemmas at the end of life, and psychology of mourning. (Same as CAP 3194 and RELS 3110) (Fall and Spring)

PHIL 3186. Studies in Philosophy — 3 hrs.
Study of a philosophical thinker or a problem listed in Schedule of Classes. (Fall and Spring)

PHIL 3310. Consciousness and Mind: Philosophical Perspectives — 3 hrs.
No aspect of mind is more familiar and yet more mysterious than consciousness, our conscious experience of ourselves and the world around us. This course examines fundamental questions about consciousness and mind: What does it mean to be conscious? How can physical processes in the brain give rise to subjective conscious experiences? Can artificial intelligence evolve consciousness? What does self-consciousness imply about free will, personal identity, and immortality? More fundamentally, what is the place of consciousness in the universe? Does consciousness appear only when matter achieves a brainlike level of organizational complexity as modern science assumes, or as many religious and contemplative traditions have contended, some form of consciousness is present in all of reality? (Odd Springs)

PHIL 3320. Political Philosophy — 3 hrs.
Critical investigation of contexts of engagement and responsibility of persons as members of social institutions and as participants in public discourse on policy and law. Prerequisite(s): junior standing or consent of instructor. (Even Springs)

PHIL 3330. Death, Sex and the Body: Phenomenology and Foucault — 3 hrs.
Examination of phenomenology, the description of basic structures of human experience. Focus on Martin Heidegger and others on conscious, practical, social, mortal, and embodied life; then Michel Foucault on forms of power in social science and modern culture. (Odd Falls)

PHIL 3350. How We Know: Philosophical Perspectives — 3 hrs.
This introduction to epistemology examines fundamental questions about human knowledge: What distinguishes knowledge from mere belief? What can be known with certainty? How can we know if we have knowledge? How can we use our reason, our senses, the testimony of others, and other resources to acquire knowledge? How do social relationships and interactions affect the knowledge of individuals and groups? How can we evaluate the claims of knowledge by socially accepted authorities? (Even Falls)

PHIL 3360. Intellectual Vices and Virtues: Theory and Practice — 3 hrs.
This course will provide students with opportunities to accomplish four objectives: 1. Gain a rigorous understanding of virtues and vices, and in particular intellectual virtues (such as intellectual humility, intellectual courage, intellectual autonomy, open-mindedness, curiosity, and wisdom) and intellectual vices (such as closed-mindedness, intellectual cowardice, gullibility, wishful thinking, conspiracy mentality, and epistemic injustice). 2. Investigate the relevance of intellectual vices and virtues to specific domains such as education, science, business, leadership, politics and social activism, religious belief and practice, interpersonal relationships, and mental health and well-being. 3. Foster self-improvement to character by cultivating intellectual virtues and mitigating intellectual vices. 4. Develop skills essential to critical thinking and effective communication. (Fall)

PHIL 3370. Philosophy of Law — 3 hrs.
This course provides an introduction to philosophy of law that is both thematically and historically oriented. Our chief concern will be to understand the nature of law and its implications for morality and our social and political existence together. The first part of the seminar focuses on the nature of law: We will begin by considering the essence and nature of law in trying to find answers to questions such as "What is law?", "Can anything be law?", "Do laws have moral content?". The second part inquires into the relationship between law and morality, drawing on the normative standing of law: We will try to answer questions such as "Is there an obligation to obey the law?" and "Is civil disobedience justified?". In the third part, we will turn to the specific context of interpreting the U.S. Constitution, and attempt to understand how to do legal analyses of actual court decisions pertaining to significant issues such as reproductive freedom, equality, and freedom of speech. Prerequisite(s): junior standing or consent of instructor. (Variable)

PHIL 3510. Bio-Medical Ethics — 3 hrs.
Application of principles and analytic methods of ethical theory to contemporary issues in medical practice and research. Topics include fundamental concepts of health and disease, life and death; rights and obligations of medical practitioners and their patients; informed consent and confidentiality; abortion and euthanasia; reproductive and transplantation technologies; and health policy and the provision and rationing of health care. (Same as CAP 3173 and RELS 3510) (Fall and Spring)

PHIL 3610. Nietzsche, Nihilism, and Technology — 3 hrs.
Examination of Nietzsche's genealogy, diagnosis, and prognosis of contemporary nihilism, the experience of one's values as empty or meaningless. Examination of Heidegger's later critique of Nietzsche's views as expressions of problematic aspects of the modern technological age. (Odd Springs)

PHIL 3620. Philosophy of Language: Wittgenstein — 3 hrs.
Examination of Wittgenstein, sometimes called "the two most important philosophers" of the 20th century. Topics include language and formal logic, language as social practice, and ways in which classic philosophical problems arise from a misunderstanding of how we use common words. (Even Springs)

PHIL 4080. Individual Readings in Philosophy — 1-3 hrs.
Individually arranged readings and reports drawn from history of philosophy or contemporary philosophical problems. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing; consent of department head. (Fall and Spring)

PHIL 4490. Professional Development Seminar — 3 hrs.
Through reflection and concerted involvement in a reciprocal relationship with a community organization, philosophy students will bring their work in philosophy to thoughtful integration, clarifying what they have done and linking their achievements with their long-term goals and preparation for professional careers. This critical service-learning course is required of all junior and senior philosophy majors. Prerequisite(s): junior standing or consent of instructor. (Even Falls)

Physical Education Courses (PEMES)

Courses

PEMES 2011. Fundamental Physical Activities -- Aquatics — 1 hr.
Primarily for majors in Physical Education. (Fall and Spring)

PEMES 2013. Fundamental Physical Activities - Dance — 2 hrs.
Primarily for majors in Physical Education. (Variable)

PEMES 2017. Fundamental Physical Activities -- Outdoor/ Adventure Pursuits — 1 hr.
Primarily for majors in Physical Education. (Fall and Spring)

PEMES 2034. Survey of Dance History — 3 hrs.
Survey of dance history from primitive times to the present with emphasis on the relationship of dance and dance forms to the societies in which they developed and other art forms and the contributions of leading dance personalities. (Variable)

PEMES 3173. Teaching Methods Block — 2-5 hrs.
2 or 5 hrs. Curriculum design, including movement education and wellness, through the integration of instructional practices, teaching strategies, knowledge of adaptations to physical activity, and assessment practices. Laboratory experiences will be included in elementary, middle school, and high school levels. Prerequisite(s): Physical Education minor: EDPSYCH 3148; KINES 2021; KINES 2056. Physical Education Major-Teaching: EDPSYCH 3148; KINES 2021; KINES 2053; KINES 2056; KINES 3174; KINES 3176. (Fall and Spring)

Physics Courses (PHYSICS)

Courses

PHYSICS 1000. Physics in Everyday Life — 3 hrs.
Basic laws and concepts of physics introduced and demonstrated through operation of everyday devices and systems. Emphasis on understanding physical principles behind working of modern technologies and interplay between science and technology. (Fall and Spring)

PHYSICS 1010. Physics in Everyday Life Laboratory — 1 hr.
Laboratory activities involving energy, temperature and heat, waves and sound, electricity and magnetism, light and color; and the atomic and nuclear structure of matter. Emphasis on observation, interpretation, and conceptual understanding of physical phenomena. Lab, 2 periods. Prerequisite(s) or corequisite(s): PHYSICS 1000 or consent of department head. (Fall and Spring)

PHYSICS 1100. First-Year Projects in Physics — 1 hr.
An introduction to the basic elements of physics research and applications. Students will complete a series of projects designed to integrate theory, measurement and computation to create instruments and devices that interact with the physical world. In doing so, students will learn how to create and control electro-mechanical devices and gain experience in techniques used in both industry and research. Prerequisite(s) or corequisite(s): PHYSICS 1701, Physics I for Science and Engineering, or the consent of the department head. (Fall)

PHYSICS 1511. General Physics I — 4 hrs.
Algebra-based introductory course covering Newtonian mechanics, gravitation, and thermal physics. Emphasis on conceptual understanding of physical principles through group investigations and lab activities. Discussion/lab, 5 periods. Prerequisite(s): satisfactory ALEKS score or equivalent. (Fall and Spring)

PHYSICS 1512. General Physics II — 4 hrs.
Algebra-based introductory course covering electricity, magnetism, optics, and modern physics. Emphasis on conceptual understanding of physical principles through group investigations and lab activities. Discussion/lab, 5 periods. Prerequisite(s): PHYSICS 1511 or PHYSICS 1701. (Fall and Spring)

PHYSICS 1701. Physics I for Science and Engineering — 4 hrs.
Calculus-based introductory course covering Newtonian mechanics, gravitation, and thermal physics. Lab activities. Discussion/lab, 5 periods. Prerequisite(s) or corequisite(s): satisfactory mathematical preparation for calculus. (Fall)

PHYSICS 1702. Physics II for Science and Engineering — 4 hrs.
Calculus-based introductory course covering electricity, magnetism, and optics. Lab activities. Discussion/lab, 5 periods. Prerequisite(s): PHYSICS 1511 (minimum grade of B) or PHYSICS 1701. Prerequisite(s) or corequisite(s): MATH 1421. (Spring)

PHYSICS 2300. Physics III: Theory and Simulation — 3 hrs.
Calculus-based course covering the more advanced topics in introductory physics. Emphasis on developing analytical and computational skills needed to study physics at a more advanced level. Topics include Newtonian mechanics and applications, Maxwell's equations and applications. Prerequisite(s): PHYSICS 1702. (Fall)

PHYSICS 2700. Mathematical Methods of Physics — 3 hrs.
Introduction to the mathematical methods used in upper-level Physics courses, illustrated with applications from all areas of Physics. Applications will illustrate electrodynamics, thermodynamics, classical mechanics and quantum mechanics. Prerequisite(s): MATH 1420; MATH 1421; MATH 2422; PHYSICS 1701; PHYSICS 1702; PHYSICS 2300. (Spring)

PHYSICS 3000. Undergraduate Research in Physics — 1-6 hrs.
Research activities under direct supervision of sponsoring staff members or at a national laboratory. Should normally be taken after the first year of the major. Successful completion of the research experience requires both a written and oral report. Prerequisite(s): minimum overall 2.50 GPA; consent of department. (Fall and Spring)

PHYSICS 3030. Robotics and Sensors — 3 hrs.
Students will build their own autonomous robot. Students will learn and apply basic electronics, programming, physics concepts to develop their robot and create an interactive presentation on their creation. These robotics concepts will also be applied to important issues for industry and sustainability in the areas of automation, energy, and transportation. Lecture 1 period, Lab, 3 periods. Prerequisite(s): PHYSICS 1511 and PHYSICS 1512, or PHYSICS 1701 and PHYSICS 1702, or TECH 1037 or CS 1510. Other interested students with some experience in coding and/or electronics experience are encouraged to contact the instructor. (Same as TECH TEE 3030) (Variable)

PHYSICS 3179. Cooperative Education.
Applied physics internship under PHYSICS 3179 should be taken during the junior or senior year. If unable to do so, the internship may be done under PHYSICS 3500 with consent of department. Successful completion of either PHYSICS 3179 or PHYSICS 3500 requires both a written and an oral report. Offered on credit/no credit basis only. (Fall and Spring)

PHYSICS 3500. Internship in Applied Physics — 1-3 hrs.
Departmentally approved work in applied physics (at an industrial, medical, or government laboratory) followed by oral and written reports given on completed work. Offered on credit/no credit basis only. Prerequisite(s): minimum overall 2.50 GPA; consent of department. (Fall and Spring)

PHYSICS 3700. Physics Seminar — 1 hr.
Seminar course covering aspects important for life after graduation. Participation in physics colloquia; oral report on research topic or internship, drafting resume/CV, interview, perform job and graduate school search. Prerequisite(s): PHYSICS 4100/5100. (Fall)

PHYSICS 4050/5050. Optical Science — 3 hrs.
An introduction to optics and applied optics. Topics include: geometric optics, wave optics, quantum optics, and introductions to lasers and optical spectroscopy. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): PHYSICS 1512 or PHYSICS 1702; junior standing or consent of department head. (Even Falls)

PHYSICS 4060/5060. Mechanics for Physics Education — 3 hrs.
Experiences in motion, force, energy, and momentum using physics education curricular resources with emphasis on practices aligned with the Next Generation Science Standards (NGSS). The course is designed for current and future middle-level and secondary science teachers. Prerequisite(s): PHYSICS 1511 or PHYSICS 1701 or permission of the instructor; junior standing. (Even Summers)

PHYSICS 4070/5070. Electricity and Magnetism for Physics Education — 3 hrs.
Experiences in waves, electricity, magnetism, and light using physics education curricular resources with emphasis on practices aligned with the Next Generation Science Standards (NGSS). The course is designed for current and future middle-level and secondary science teachers. Prerequisite(s): PHYSICS 1512 or PHYSICS 1702 or permission of the instructor; junior standing. (Odd Summers)

PHYSICS 4080/5080. Resources for Teaching Physics — 2 hrs.
A physics course that focuses on topics recommended for high school physics programs, with an emphasis on various physics education resources in the context of science education initiatives. This course is designed for both current science teachers and science education undergraduates. Prerequisite(s): PHYSICS 1511 or PHYSICS 1701; PHYSICS 1512 or PHYSICS 1702; junior standing. (Spring)

PHYSICS 4100/5100. Modern Physics — 4 hrs.
Special relativity; quantum phenomena; wave-particle duality; atomic and nuclear structure; properties of solids, interaction of radiation with matter; and elementary particles. Prerequisite(s): PHYSICS 1702; junior standing. (Spring)

PHYSICS 4110/5110. Modern Physics Laboratory — 2 hrs.
Experiments on interactions of photons and electrons; mass and charge of electrons; atomic spectroscopy; nuclear detection and spectroscopy; spin resonance; and properties of solids. Requires detailed lab reports, including error analysis. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): PHYSICS 4100/5100. (Spring)

PHYSICS 4160/5160. Data Visualization, Modeling and Simulation — 3 hrs.
This course focuses on the theory and practice of designing effective visualizations of various data sets, processing images, modeling and finding patterns in these data sets. The course covers visualization toolkits, scientific visualization, medical visualization, and information visualization. Topics include image processing techniques and the associated toolboxes, methods to visualize and analyze the evolution of data sets including images, and finding predictive models and simulation methods that can generate and explain data. Prerequisite(s): CS 1510; junior standing. (Spring)

PHYSICS 4200/5200. Nanoscience — 3 hrs.
Study of nanoscale materials and processes, with emphasis on the preparation and characterization of materials with nanometer scale dimensions; investigation of how nanoscale dimensions produce unique chemical and physical properties; nanoscale microscopy and spectroscopic methods of investigation. Prerequisite(s): CHEM 1110 and CHEM 1120 (or CHEM 1130); PHYSICS 1511 or PHYSICS 1701; PHYSICS 1512 or PHYSICS 1702; junior standing. [Same as CHEM 4200/5200] (Fall)

PHYSICS 4210/5210. Nanotechnology — 3 hrs.
Study of nanoscale materials and processes, with emphasis on the current and potential future applications of materials with distinctive properties due to their nanometer scale dimensions; nanoporous materials; discussion of the broader implications of nanotechnology in areas such as government policy, occupational safety and medical technology. Prerequisite(s): CHEM 1110 and CHEM 1120 (or CHEM 1130); PHYSICS 1511 or PHYSICS 1701; PHYSICS 1512 or PHYSICS 1702; junior standing. [Same as CHEM 4210/5210] (Odd Springs)

PHYSICS 4290/5290. Project Lead The Way: Digital Electronics — 3 hrs.
Introduction to the theory and applications of analog and digital electronics utilizing the Digital Electronics curriculum from the nationally certified Project Lead The Way (PLTW) curriculum. Especially intended for science and technology K-12 education majors to become certified PLTW teachers of this course. Prerequisite(s): PHYSICS 1511 or PHYSICS 1400 or PHYSICS 1701; junior standing. (Same as TECH 4290/5290) (Spring)

PHYSICS 4300/5300. Introduction to Electronics — 4 hrs.
Introduction to DC and AC circuits; electrical measurements, circuit theory and circuit simulation; analog and digital circuits; energy generation and efficiency. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): PHYSICS 1512 or PHYSICS 1702; MATH 1421; junior standing. (Fall)

PHYSICS 4310/5310. Physical Computing — 4 hrs.
Introduction to computer interfacing, instrument control, and data acquisition. Utilization of industry standard software and microcontrollers to acquire and process data, process signals, and perform feedback control of physical systems. Prerequisite(s): PHYSICS 1511 and PHYSICS 1512, or PHYSICS 1701 and PHYSICS 1702; junior standing. (Odd Springs)

PHYSICS 4450/5450. Laboratory Projects — 1-3 hrs.
Experimental activities to meet individual needs and interests not normally included in other courses. Maximum of 3 hours may be applied to a physics major or minor. Prerequisite(s): junior standing; consent of department. (Fall and Spring)

PHYSICS 4600/5600. Classical Mechanics — 4 hrs.
Vectors and kinematics; force and motion; work and energy; Lagrange's equations; gravity; oscillations; rigid-body motion; and accelerated reference frames. Prerequisite(s): MATH 1420; MATH 1421; PHYSICS 1701; PHYSICS 1702; PHYSICS 2300; PHYSICS 2700; junior standing. Prerequisite(s) or corequisite(s): MATH 2422. (Fall)

PHYSICS 4650/5650. The Science of Energy Sources — 3 hrs.
Basic physical principles underlying a variety of current global energy sources. The science and technology of energy generation

from fossil fuels, the sun, wind, and atomic nuclei. Energy storage mechanisms will also be discussed. Prerequisite(s): PHYSICS 1511 or PHYSICS 1701; PHYSICS 1512 or PHYSICS 1702; or departmental consent. (Odd Falls)

PHYSICS 4700/5700. Electrodynamics — 4 hrs.
General principles of Classical Electrodynamics: Electrostatics, Electric Current, Electric and Magnetic Fields in Vacuum, Electromagnetic Induction, Maxwell's equations and electromagnetic waves, Electric and Magnetic Fields in Matter, Types of Materials (Dielectrics, Conductors, Magnetic Materials). Phenomena will be explored through theoretical investigations supplemented with computational simulations and experiments. Prerequisite(s): MATH 2422; PHYSICS 2300; PHYSICS 2700; junior standing. (Odd Falls)

PHYSICS 4750/5750. Physics of Modern Materials — 3 hrs.
Structural, thermal, and electronic properties of materials; applications to modern devices. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): PHYSICS 4100/5100; PHYSICS 4110/5110; junior standing. (Even Falls)

PHYSICS 4800/5800. Quantum Mechanics — 4 hrs.
Solution of Schrodinger equation for several systems: spin and angular momentum; identical particles; perturbation theory; WKB approximation; and scattering. Prerequisite(s): PHYSICS 2700; PHYSICS 4100/5100; PHYSICS 4600/5600; junior standing. (Even Springs)

PHYSICS 4860/5860. Computational Physics — 3 hrs.
Computer simulations and numerical solutions of behaviors of important physical systems, emphasizing those that are very difficult or impossible to analyze by traditional means, for example, nonlinear oscillators or phase transitions in the Ising Model. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): PHYSICS 2300; PHYSICS 2700; PHYSICS 4100/5100; PHYSICS 4600/5600; junior standing. (Spring)

PHYSICS 4900/5900. Thermodynamics and Statistical Mechanics — 4 hrs.
General principles of classical thermodynamics and applications (e.g., to first-order phase transitions); general principles of statistical mechanics and applications (e.g., to the classical ideal gas). Prerequisite(s): PHYSICS 2300; PHYSICS 2700; PHYSICS 4100/5100; junior standing. (Spring)

PHYSICS 4950/5950. Readings in Physics — 1-3 hrs.
Readings/problems in areas of physics (or related interdisciplinary areas) not normally covered in other courses. Maximum of 3 hours may be applied to a physics major or minor. Prerequisite(s): junior standing; consent of department. (Variable)

PHYSICS 4990. Senior Thesis — 1 hr.
Senior Thesis. Open only to students pursuing the B.S. Physics Honors Research Emphasis or the B.A. Physics-Teaching Honors Research Emphasis. Prerequisite(s): consent of the department head. (Fall, Spring, Summer)

PHYSICS 6100. Modeling and Simulation of Physical Systems — 3 hrs.
Computer simulation and visualization of physical systems. Students will code, debug, and run basic simulations in C++ as well as more sophisticated simulations with other tools, including parallel computing. Prerequisite(s): CS 1160 and PHYSICS 4860/5860, or MATH 3440/5440 and CS 1160, or consent of instructor. (Variable)

PHYSICS 6299. Research.
Prerequisite(s): consent of department. (Variable)

PHYSICS 6300. Computer Interfacing and Signal Processing — 3 hrs.
Introduction to computer interfacing, instrument control, and data acquisition. Discussion of digital signal processing and utilization of industry-standard software platforms in laboratory activities. Prerequisite(s): PHYSICS 2300; PHYSICS 4300/5300. (Variable)

PHYSICS 6500. Special Problems in Physics — 1-6 hrs.
Credit determined at registration. Problems selected according to needs of students. Prerequisite(s): consent of department. (Variable)

Political Theory Courses (POL THRY)

Courses

POL THRY 1050. Introduction to Political Theory: Freedom, Justice and Power — 3 hrs.
A good politics is guided by ideals such as freedom and justice. But what do those words mean? How does power operate--either to promote or to prevent the achievement of freedom and justice for all people? Readings range from the ancient world to the contemporary, including thinkers such as Socrates, J.S. Mill, Martin Luther King Jr., and bell hooks. (Fall and Spring)

POL THRY 3129. American Political Thought — 3 hrs.
Political ideals have shaped the political institutions, practices, and culture of the U.S., even though our ideals of democracy and freedom have conflicted with realities of exclusion and slavery, and the "American Dream" has at times been undermined by inequality of opportunity. This course explores these tensions, analyzing works of foundational thinkers such as Madison and Jefferson, as well as thinkers aiming to deepen our democracy in the centuries since the founding. (Variable)

POL THRY 3160. Classical Political Theory — 3 hrs.
The nature of justice, arguments for and against democracy, the foundations of political knowledge, and the nature of political communities, as understood by the thinkers of classical Greece. (Variable)

POL THRY 3161. Modern Political Theory — 3 hrs.
Western political thought from Machiavelli to Nietzsche, including the philosophical foundations for the American system of government (liberal and civic republican thought). (Variable)

Politics, American Courses (POL AMER)

Courses

POL AMER 1014. Power & Politics in the U.S. — 3 hrs.
Politics is about the exercise of power. This course examines the basic structure, organization, and institutional powers of American government. We will also examine how diverse citizens of the U.S. are linked to government through such things as political parties, interest groups, and elections. (Fall and Spring)

POL AMER 1048. Current and Emerging Issues in Public Administration — 3 hrs.
Most government employees who are making decisions, running programs and spending taxpayer money are not elected officials,

but public servants. The purpose of this course is to examine the role of these bureaucrats in American government by developing an understanding of the history of the system, the tension between expertise and democracy, and the related issues that affect the American people and others around the globe. (Fall and Spring)

POL AMER 2131. American State Politics — 3 hrs.
Analysis of organization, functions, and operation of state and local governments. (Fall)

POL AMER 2147. Law, Politics, and Society — 3 hrs.
Law structures our personal, business and civic lives, and when courts resolve disputes about the law their decisions affect our politics and society. This course examines how the legal system works and explores its social and political effects. Includes discussion of topics such as racial and socioeconomic barriers to access to justice, tort reform, policing strategies, and crime policy. (Spring)

POL AMER 3112. Campaigns and Elections — 3 hrs.
Systematic examination of structure and functions of modern electoral campaigns for national, state, and local offices. (Even Falls)

POL AMER 3132. Community Politics — 3 hrs.
Introduction to structure, functions, and policies of American local government in context of economic, social, and intergovernmental forces. (Variable)

POL AMER 3134. Congress: The First Branch — 3 hrs.
Congress is the first branch, by virtue of being specified in Article I of the Constitution. We will think critically about the role of Congress in the American system of government, how we get it, what it does, and what it does not do. Students will assess evidence of whether Congress can properly be viewed as broken, or not. Prerequisite(s): POL AMER 1014. (Odd Falls)

POL AMER 3141. Constitutional Law — 3 hrs.
Analysis of U.S. Supreme Court decisions and changes in doctrine over time and the political forces affecting these changes. Emphasis on the powers and constraints of the federal government, separation of powers, and federalism. Prerequisite(s): POL AMER 1014 or POL AMER 2147 or POL AMER 3146. (Fall)

POL AMER 3144. Civil Rights and Liberties — 3 hrs.
Examines the Supreme Court's role in establishing and protecting individual rights and liberties from government intrusion. Emphasis on the 14th Amendment of the Constitution. Includes issues of free speech, freedom of religion, discrimination, and privacy. (Spring)

POL AMER 3146. Judicial Politics and Policy-making — 3 hrs.
Theoretical and empirical examination of the role of appellate courts, especially the U.S. Supreme Court, within the American political system. Examination of theories of judicial decision making, the influence of politics on law and judges, and the impact of court decisions on public policy. (Even Falls)

POL AMER 3150. Public Opinion and Voting Behavior — 3 hrs.
Theoretical and empirical analyses of public opinion, political attitudes, political socialization, as well as voting behavior and political participation. (Spring)

POL AMER 3151. Modern Presidency — 3 hrs.
Examination of constitutional, electoral, administrative, and political aspects of the modern American presidency as they have evolved from FDR to the present. Prerequisite(s): POL AMER 1014. (Spring)

POL AMER 3153. Leadership and Management in Public Service — 3 hrs.
This course provides students the opportunity to study the political nature, characteristics and operation of American public organizations. You will analyze the internal and external factors that explain how public organizations operate, including theories and models of leadership and internal dynamics of public organizations and their role in the American political system. (Fall)

POL AMER 3166. Political Parties and Interest Groups — 3 hrs.
The history and evolution of political parties and interest groups in the American political system with a focus on their impact on the policy process. This course emphasizes how changes in the political environment including the rise of Super PACs, increased polarization and the use of social media for political mobilization are influencing the role each plays in elections and policy adoption. Prerequisite(s): POL AMER 1014. (Variable)

POL AMER 3172. Public Budgeting — 3 hrs.
Historical development of current budgeting practices; politics of budgetary process at federal, state, and local levels; current methods of budgeting for public agencies, focusing on integration of budgeting into program planning. (Spring)

POL AMER 3174. Management of Public Human Resources — 3 hrs.
Development of current government personnel practices; contemporary issues in personnel administration; techniques of job analysis; recruitment and selection of employees; and problems of supervision and evaluation. Prerequisite(s): POL AMER 1014; POL AMER 1048. (Variable)

POL AMER 4130/5130. Iowa Politics — 3 hrs.
Emphasis placed on the origins of Iowa's governmental structure, the three branches of government, and its unique role in presidential politics. Will examine some of the perennial issues facing the state. Prerequisite(s): junior standing. (Spring)

POL AMER 4142/5142. Problems in Juvenile and Family Law — 3 hrs.
Aspects of juvenile and family law; how legislature and courts have developed juvenile and family law, including marriage and divorce, adoption, and competency of minors. Prerequisite(s): junior standing. (Fall and Spring)

POL AMER 4143/5143. Citizen Participation and Civic Engagement — 3 hrs.
Introduces the key issues and problems affecting citizen participation and engagement at the community and national levels. Prerequisite(s): junior standing. (Variable)

POL AMER 4160/5160. Political Communication — 3 hrs.
Study of the elements of national and/or local political communication, including the rhetoric of political campaigns, and/or the rhetoric of elected officials. Prerequisite(s): junior standing. (Same as COMM 4216/5216) (Fall)

POL AMER 4173. Politics and Public Policy — 3 hrs.
Can we predict public policy? The short answer is "no." Public policies are the result of human decisions, a process which is not always rational. This course will examine why by focusing on biases in human decision making and how such biases can help improve our understanding of the policy process. Prerequisite(s): POL AMER 1014; POL AMER 1048; junior standing. (Fall)

POL AMER 4176/5176. Topics in Public Policy — 3 hrs.
Explores the latest developments in the field of public policy research. Ongoing policy issues may be used as examples to illustrate theoretical developments or to introduce applications of course material. May be repeated under different topics. Prerequisite(s): junior standing. (Variable)

POL AMER 4177/5177. Political Psychology — 3 hrs.
Explores the connections between psychology and political phenomena, including leadership, decision making, intergroup relations, and persuasion. Prerequisite(s): junior standing. (Variable)

POL AMER 4188/5188. Seminar in Public Administration — 3 hrs.
Advanced topics in public administration, such as essential and nonessential service delivery, fiscal administration, and community development. Introduces students to issues not covered in other public administration courses. Prerequisite(s): POL AMER 1048; junior standing. (Spring)

POL AMER 5154. Public Service Leadership and Management — 3 hrs.
This course focuses on the theories and practice of leadership and management in the public and nonprofit sectors. Particular attention will be paid to the history behind the theories and concepts used in the analysis and discussion of leadership and management to understand their development, to what degree they may be applicable to other settings, and their strengths and weaknesses. The course will enable students to understand variations in different organizational settings, alternative bases of authority, diverse communication styles, as well as the exercise of leadership and its connection with management. (Variable)

POL AMER 5171. Public Budgeting and Financial Management — 3 hrs.
This course provides students the opportunity to study the local budgetary process and to explore with the following topics: budget document and budget process; the budget cycle; operating and capital budget; evolution of budget; the balanced budget; functions of the budget office; planning, adopting, implementing and controlling the budget; performance measures for public budgeting and budgeting for capital improvements. (Variable)

Politics, Comparative Courses (POL COMP)

Courses

POL COMP 1040. Comparative Politics — 3 hrs.
Examination of theory, methods, and problems of comparative politics with emphasis on cross-regional analysis. Use of case studies to look at such issues as political culture, parties, participation, dictatorship and democracy, economic policies and class, and racial, ethnic or religious conflict. (Fall and Spring)

POL COMP 3121. Terrorism and Insurgency — 3 hrs.
Focus on terrorism, insurgency, and guerrilla warfare. Examination of theoretical, practical, and policy issues related to the law, ethics, motivations, conduct, and resolution of conflict between unequal and unlike groups. (Variable)

POL COMP 3123. Nationalism — 3 hrs.
Analysis of causes, forms, and consequences of nationalist movements. Consideration of experiences of nation-states and multi-national states. Evaluation of major theoretical approaches to study of nationalist movements and application to several specific cases. (Variable)

POL COMP 3125. Politics of Nonviolence — 3 hrs.
Analyzes theories and concrete examples of nonviolence in politics. Examines nonviolent power as a part of daily politics in most political systems and as a component of many successful movements for political change. (Variable)

POL COMP 3135. Politics in Europe — 3 hrs.
Examination of the development of European political institutions, issues, and policies. Social democracy, the European Union, and challenges to democracy are addressed. (Variable)

POL COMP 3162. Politics of East Asia — 3 hrs.
Comparative analysis of major East Asian countries; examination of state and nation-building processes, political institutions, and processes and policies, with emphasis on China and Japan. (Variable)

POL COMP 3164. Russian Politics — 3 hrs.
Analysis of regimes and regime changes in Russia and Eurasia generally. Examination of institutions, contemporary issues, and policies in comparative context. (Variable)

POL COMP 3165. African Politics — 3 hrs.
Examination of African politics from a political economy perspective. (Variable)

POL COMP 3167. Latin American Politics — 3 hrs.
Analysis of democracy, authoritarianism, economic development, and social movements in the region. Emphasis on Mexico, Brazil, Argentina, Colombia, Peru, and Cuba. Examination of influence of U.S. hegemony and the prospects for economic integration. (Variable)

Politics, General Courses (POL GEN)

Courses

POL GEN 1020. Political Problems in the U.S.: (topic) — 3 hrs.
This course addresses topical political problems in the U.S. with a focus on problems related to human differences and diversity. Examples of topics may include wealth and income inequality, inequities in the criminal justice system, disparities in education policy, or the partisan divide. As part of addressing these problems, the course also covers different theoretical perspectives for thinking about politics, and supports students in developing skills for critically assessing information sources. Offered on specific topics listed in the Schedule of Classes. May not be repeated on different topics. (Fall and Spring)

POL GEN 1041. Global Challenges: (Topic) — 3 hrs.
This course will help students investigate the effect of politics and power by studying how people around the world respond to political problems. Students will learn about political science concepts related to government rules and institutions, political behavior and social movements, public policy, ideas and ideology, or others and apply them to current political problems that people are wrestling with around the world. May not be repeated on different topics. (Fall and Spring)

POL GEN 1060. B.S. Detection — 3 hrs.
This course seeks to give students the tools to understand what is happening in the world and decide what they should do about it. It is not about what to think, but about how to think. We often talk about critical thinking but what, exactly, does that mean? This course will help students learn to slow down and critically analyze information to help them improve their understanding of current events and develop the habits of mind that contribute to a life of active citizenship. (Fall)

POL GEN 2010. Analyzing Politics — 3 hrs.
Political issues can be divisive, but it is necessary to develop the skills and habits of rigorous analysis in order to understand the political

phenomena around us. Students will explore various approaches to the scientific study of politics. (Fall and Spring)

POL GEN 3111. Politics and Statistics — 3 hrs.
Political science is, by definition, a science and as such is based on empirical research. The purpose of this course is to give students the necessary tools to study politics using quantitative methodology. Emphasis will be placed on the use of quantitative estimation techniques commonly used by political scientists. (Fall)

POL GEN 3181. Internship in Politics — 3-8 hrs.
Student serves as intern with government official or in public or private agency: (1) Federal; (2) State; (3) Local; (4) Intergovernmental; (5) Legal; (6) Interest Group; (7) International; and (8) Electoral. Prerequisite(s): POL GEN 2010; 15 hours of political science; Political Science, Political Communication, or Public Administration major; junior standing and consent of department. (Fall, Spring, Summer)

POL GEN 3184. Senior Seminar in Political Science — 3 hrs.
Examination of specific topics through application of theories and methods of political science analysis. Research papers required. Prerequisite(s): 24 credit hours of Political Science. (Fall and Spring)

POL GEN 4175/5175. Women in Politics — 3 hrs.
Theoretical, historical, and empirical studies of the role of women as political actors, policy issues affecting women, and the role of gender in shaping political attitudes and perceptions, with particular emphasis on the U.S. experience. Prerequisite(s): junior standing. (Variable)

POL GEN 4189/5189. Readings in Political Science — 1-3 hrs.
May be repeated only with consent of department. Prerequisite(s): 12 hours in political science; junior standing; consent of department. (Fall, Spring, Summer)

POL GEN 4198. Independent Study.
(Fall, Spring, Summer)

Politics, International Courses (POL INTL)

Courses

POL INTL 1024. International Relations — 3 hrs.
Survey of various approaches to international relations with special emphasis on application to historical and contemporary cases. (Fall and Spring)

POL INTL 3119. Politics of the Global Economy — 3 hrs.
Analysis of how the pursuit of power and the pursuit of wealth interact in international relations. Emphasis on trade policy, monetary and financial policies, economic development, and the politics of globalization since 1945. (Variable)

POL INTL 3120. International Security — 3 hrs.
Survey of the nature and causes of war, and the methods states use to achieve security. Examination of such issues as arms races, alliances, military technology, and military strategy and their relation to the politics of international relations. Analysis of methods for resolving conflicts and promoting peace. (Variable)

POL INTL 3125. Politics of International Development — 3 hrs.
Since the end of the Cold War, the international community has become more concerned with poverty, hunger, deprivation, the spread of disease and violence in all forms. This course studies the political dynamics that lead to action or that perpetuate inaction. (Variable)

POL INTL 3126. Human Rights — 3 hrs.
Examination of the origins and development of the concept of Human Rights. Review of the major challenges to global human rights, including genocide, racism, political repression, national/religion oppression, and gender discrimination. Emphasis on the international institutions, norms, and policies of states and non-state actors to define and promote human rights. (Variable)

POL INTL 3127. United States Foreign Policy — 3 hrs.
Historical and theoretical examination of the individual, domestic, and systemic factors which affect formulation of United States foreign policy. (Variable)

POL INTL 3143. International Law — 3 hrs.
Survey of international law from its development to contemporary issues. (Variable)

POL INTL 3145. International Organizations — 3 hrs.
Description of international governmental and nongovernmental organizations, and analysis of their roles in international politics. (Variable)

Postsecondary Education: Student Affairs Courses (POSTSEC)

Courses

POSTSEC 3000. Exploring the Student Affairs Profession — 3 hrs.
The purpose of this course is to provide an overview of student affairs practice in higher education. This course will introduce undergraduate students to the field of student affairs in the context of higher education. The complex and diverse roles and functions served by student affairs professionals in American higher education are included in this course. Student affairs professionals are educators concerned with the intellectual, social, psychological, spiritual, aesthetic and physical development of the wide range of types of students in postsecondary education. They work collaboratively with students, faculty, staff and administration to foster student learning and development. The course will include introductions to: the history of the field, professional associations, institutional differences, professional and ethical standards, functional areas in higher education, student learning and developmental theory, overview of graduate preparation and current topics. The course is informed by identified values of the student affairs profession, as identified by Reason and Broido: altruism, equality, justice, human dignity, aesthetics, freedom, truth and community. (Fall and Spring)

POSTSEC 3161. Undergraduate Internship in Student Affairs — 1-3 hrs.
Supervised experience in a postsecondary setting. Course is intended to be as a follow up to the Exploring the Student Affairs Profession course. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): POSTSEC 3000. (Spring)

POSTSEC 6220. Leading and Advising — 3 hrs.
Provides an overview and skill development in the areas of Leadership and Advising. (Fall)

POSTSEC 6250. Teaching in College — 3 hrs.
Examination of issues and problems in college teaching including roles of the college teacher, factors affecting teaching and learning

environment, learning theory, course planning, and teaching strategies. (Spring and Summer)

POSTSEC 6256. The Two-Year College — 3 hrs.
Provides an understanding of the mission, governance, operation, and student and faculty issues unique to the two-year college in the United States, with particular attention to Iowa. (Spring and Summer)

POSTSEC 6260. History of U.S. Higher Education — 3 hrs.
Overview of the historical development, issues, philosophies, and cultural backgrounds of higher education in America. (Fall)

POSTSEC 6264. Values, Philosophies and History of Student Affairs — 3 hrs.
Introduction to the field of college/university student services with applications of theory to practice, and including elements of history. (Fall)

POSTSEC 6265. Organizational and Personal Foundations for Student Affairs — 3 hrs.
This course will serve as a follow up to the Values, Philosophies and History of Student Affairs course. Topics covered include the administration of student affairs, history of student affairs and central concepts to the student affairs profession. (Spring)

POSTSEC 6268. Social Justice and Inclusion — 3 hrs.
The student affairs profession maintains a deep commitment to diversity and inclusion. This course will engage learners (both the student and instructor) in the critical reflection and analysis of multicultural theory and social justice advocacy in higher education, with the intent to further integrate them into our research and practice. Moreover, this course aims to equip learners with the skills to bring about positive social change on their campuses, while attending to the needs of the learning community with complex social identities. (Fall)

POSTSEC 6270. College Student Development — 3 hrs.
Addresses student development theories (moral, ethical, intellectual, and psychosocial), and their application in student affairs settings. (Fall)

POSTSEC 6271. Portfolio Development — 1 hr.
Independent study preparation of the learning portfolio that constitutes the culmination of the master's program. May be repeated. (Variable)

POSTSEC 6273. Research and Assessment — 3 hrs.
Introduction to the basic research literacy necessary for student affairs profession. Prerequisite(s): admission to Postsecondary Education: Student Affairs program. (Spring)

POSTSEC 6274. Higher Education Law — 3 hrs.
Discusses Federal, State and local law and its impact on higher education. (Spring)

POSTSEC 6275. Professional Helping in College Student Affairs — 3 hrs.
Provides an overview of helping skills needed in the student affairs profession. Prerequisite(s): consent of instructor. (Fall)

POSTSEC 6285. Readings in Postsecondary Education.
(Variable)

POSTSEC 6289. Seminar in Postsecondary Education — 3 hrs.
Offered on special topics as determined and scheduled by the department. May be repeated. Prerequisite(s): departmental approval required. (Variable)

POSTSEC 6291. Internship in Postsecondary Education — 1-6 hrs.
Supervised substantive experience in a postsecondary setting. May be repeated for a maximum of 12 hours. (Variable)

POSTSEC 6299. Research.
Prerequisite(s): consent of department. (Variable)

POSTSEC 7274. Doctoral Higher Education Law — 3 hrs.
Discusses Federal, State, and local law from an administrative level perspective. Includes impact on higher education at both the institutional and general field level. (Spring)

POSTSEC 7311. Educational Leadership and Systems Change — 3 hrs.
Examination of knowledge base for both change and leadership. Emphasis on understanding how change factors and leadership styles interact to influence receptiveness to and acceptance of change. Prerequisite(s): doctoral status or consent of college. (Same as EDLEAD 7311) (Variable)

POSTSEC 7372. College Effects on Students — 3 hrs.
Reviews the research on the effects of higher education on students. Prerequisite(s): admission to the M.A. Postsecondary Education: Student Affairs program or admission to the Doctor of Education. (Variable)

POSTSEC 7373. Administration and Finance in Higher Education — 3 hrs.
This course is designed to provide information in the areas of administration and finance in higher education. (Variable)

POSTSEC 7374. Organizational Processes and Communication — 3 hrs.
This course is designed to provide information in the areas of organizational processes and communication in higher education. (Variable)

POSTSEC 7389. Seminar in Postsecondary Education.
Special topics as indicated in the schedule of classes. Prerequisite(s): consent of instructor. (Variable)

POSTSEC 7397. Practicum: Postsecondary Education — 1-3 hrs.
Advanced orientation and experience for Student Affairs majors in a professional setting. Offered on credit/no credit basis only. May be repeated for maximum of 6 hours. Prerequisite(s): consent of instructor. (Variable)

Professional Science Master's Courses (PSM)

Courses

PSM 6100. Business Management for Science Professionals — 3 hrs.
Designed to provide science professionals with a strong foundation of critical business knowledge and skills, including strategic management, accounting, legal issues, personnel management, and communication styles and formats. Prerequisite(s): PSM 6289. (Fall and Spring)

PSM 6289. Professional Science Master's Seminar — 1 hr.
Weekly seminar for Professional Science Master's students which alternates student presentations with discussions between students and company representatives. Presentations are on select industries or corporations, one presentation every other seminar session. Alternate weeks are devoted to discussions with representatives of the selected companies. May be repeated for maximum of 3 hours. Prerequisite(s): admittance to the P.S.M. graduate program. (Fall and Spring)

PSM 6300. Team-Based Problem Solving — 3 hrs.
For P.S.M. Biotechnology and P.S.M. Ecosystem Management students. Discussion and/or lab, 5 periods. Prerequisite(s): PSM 6289; minimum of 6 hours completed in a P.S.M. degree program. (Fall and Spring)

PSM 6950. Professional Science Master's Internship — 1-6 hrs.
Supervised work experience for Professional Science Master's students. Students will receive appropriate industrial/corporate training in their specific field of expertise. Prerequisite(s): enrolled in P.S.M. program and consent of appropriate department head. (Fall and Spring)

Psychology Courses (PSYCH)

Courses

PSYCH 1001. Introduction to Psychology — 3 hrs.
Survey of basic principles in psychology including cognitive, emotional, social, developmental, and biological processes, and the scientific research methods used to learn about these processes. Course requires participation in psychological research; or an alternative acceptable to both students and the department which provides a similar educational experience. (Fall, Spring, Summer)

PSYCH 1093. Military Psychology — 1 hr.
Course topics focus on psychological issues encountered by veterans and active-duty military personnel, including resilience development, combat stress reactions, PTSD, suicide prevention, military culture, military selection, and leadership. Prerequisite(s): PSYCH 1001. (Fall and Spring)

PSYCH 2002. Professional Preparation in Psychology — 1 hr.
Familiarizes students with career options in psychology, helps students clarify personal interests and career goals, and prepares them for job searching or admission to graduate school. May be repeated for a maximum of 2 credits. Prerequisite(s): PSYCH 1001. (Fall and Spring)

PSYCH 2201. Psychology of Gender — 3 hrs.
General overview of the nature and meaning of gender, gender roles, and stereotypes; research on gender similarities and differences; gender development; and the effects of stereotypes and roles. Prerequisite(s): PSYCH 1001. (Fall and Spring)

PSYCH 2202. Developmental Psychology — 3 hrs.
Contemporary and historical theories of human development throughout the lifespan; description of cognitive, emotional, social, and physical changes over time. (Fall and Spring)

PSYCH 2203. Social Psychology — 3 hrs.
Overview of social psychology. Includes social perception and cognition, attraction and liking, social influence, group dynamics, and attitude formation and change. Prerequisite(s): PSYCH 1001. (Fall and Spring)

PSYCH 2301. Applied Psychology — 3 hrs.
Overview of various areas traditionally studied within applied psychology. Topic areas covered include work/occupational psychology, as well as areas related to legal issues, health, environment, education, counseling and abnormal behavior. Prerequisite(s): PSYCH 1001. (Fall and Spring)

PSYCH 2302. Psychology and Law — 3 hrs.
Study of psychological theory and empirical research as it relates to the law. Topics include witness memory, suspect identification, lineup procedures, false confessions, lie detection, juror cognition, and jury decision making. Prerequisite(s): PSYCH 1001. (Fall and Spring)

PSYCH 2401. Clinical Psychology — 3 hrs.
Contemporary practice of clinical psychology with emphasis on the theories and techniques of cognitive-behavioral interventions. Prerequisite(s): PSYCH 1001. (Fall and Spring)

PSYCH 2402. Psychology of Personality — 3 hrs.
Introduction to major theoretical models of personality and to applications derived from these theories, and an overview of empirical findings in selected topics in personality. Prerequisite(s): PSYCH 1001. (Fall and Spring)

PSYCH 2403. The Science and Experience of Human Flourishing — 3 hrs.
Explores the theoretical foundations, methodological approaches, and interventions of Positive Psychology and Positive Developmental Science to study positive emotions, experiences, relationships, meaning, and achievement. Additional topics include happiness, well-being, joy, purpose, optimism, resilience, character strengths, values, flow, wisdom, mindfulness, spirituality, meditation, post-traumatic growth, positive families, positive education, and positive work. (Variable)

PSYCH 2404. Psychology of Human Attributes — 3 hrs.
The nature and extent of human attributes as they apply to an understanding of general psychology of the individual and group differences in a social setting. Prerequisite(s): PSYCH 1001. (Variable)

PSYCH 2601. Psychology of Music — 3 hrs.
Introduction to the scientific study of psychology of music. Topics include physics of sound and psychoacoustics, pitch and rhythm representation, development of musical intelligence, emotion and meaning in music, functions of music in society, and music therapy. Prerequisite(s): PSYCH 1001. (Variable)

PSYCH 2701. Community Service/Experiential Learning — 1-3 hrs.
Students explore potential career options via volunteer opportunities at an approved location from 3-9 hours per week, after completing training required by the specific agency. Serves as a valuable hands-on learning experience. May be repeated for maximum of 6 credit hours. Prerequisite(s): PSYCH 1001; consent of instructor. (Variable)

PSYCH 3002. Research Methods — 4 hrs.
Introduction to fundamentals of psychological inquiry. Emphasis on experimental research but all major approaches (correlational, field, clinical, phenomenological) considered. Prerequisite(s): PSYCH 1001; plus 6 additional credit hours in psychology. (Fall and Spring)

PSYCH 3003. Psychological Statistics — 4 hrs.
Introduction to the basic methods of collecting, organizing, and analyzing psychological data. Emphasis on statistical inference (e.g., t tests, F tests, and selected non-parametrics). Provides the student with the basic statistical concepts and skills necessary for the laboratory and survey work and to provide adequate quantitative background for understanding psychological literature. Prerequisite(s): PSYCH 1001; PSYCH 3002; one college-level mathematics course or consent of instructor. (Fall and Spring)

PSYCH 3101. Biopsychology — 3 hrs.
Emphasizes how nature and nurture interact to allow genuine insight into the how and why of behavior including addiction, mental health, language, and perception. Takes account of recent discoveries that have transformed psychology and biology. Includes information on

brain functioning, hormones, and natural selection as they apply to human behavior. (Fall and Spring)

PSYCH 3102/5102. Drugs and Individual Behavior — 3 hrs.
Survey of the effects/side-effects of all categories of psychoactive drugs on brain, body, and behavior. Covers patterns of use and/or abuse of prescription, non-prescription and street drugs as well as an introduction to drug abuse treatment. Prerequisite(s): junior standing. (Fall and Spring)

PSYCH 3104/5104. Introduction to Neurology — 3 hrs.
Introduction to basic nervous system structure and function including the neuron, the forebrain and its specific functions, and brief coverage of methods of study and clinical neurology. Disorders of memory, brain injury, neurodevelopment and the role of environmental teratogens are covered. Prerequisite(s): PSYCH 1001; junior standing; written consent of instructor. (Variable)

PSYCH 3179. Cooperative Education — 1-6 hrs.
For students who wish to apply classroom learning to field experience. Requires approval by the faculty supervisor, the head of the academic department granting credit, and Cooperative Education/Internship staff for placement agreement, project, and credit arrangements. Credit may not be applied to a major or minor without approval by the department offering the major or minor. Co-op/Internship staff assist in developing placements and arranging student interviews with employers and maintain contact with student and employer during the co-op/internship experience. May be repeated for maximum of 6 credit hours. (Fall, Spring, Summer)

PSYCH 3204/5204. Psychology of Aging — 3 hrs.
Analysis of the factors affecting adult development and aging. Emphasis on physiological, cognitive, sensory, personality, and interpersonal changes occurring with age. Prerequisite(s): PSYCH 1001; junior standing. (Fall and Spring)

PSYCH 3303/5303. Health Psychology — 3 hrs.
Overview of the contribution of social, personality, and clinical psychology to: a) an understanding of the psycho-social variables affecting physical illness and disease; b) the development of assessment and intervention strategies for comprehensive illness management and rehabilitation; and c) the promotion and maintenance of health-enhancing behavior. Prerequisite(s): PSYCH 1001; junior standing. (Fall and Spring)

PSYCH 3304. Work Psychology: Well-Being — 3 hrs.
Explores how psychological science can improve health and happiness at work. This course focuses on the characteristics of work and workers impacting satisfaction, motivation, leadership, teamwork, and health and safety. (Fall and Spring)

PSYCH 3305. Work Psychology: Performance — 3 hrs.
Explores how psychological science can improve performance at work. The course focuses on maximizing performance by selecting prospective employees, training employees, and engaging with employees through performance evaluation. (Fall and Spring)

PSYCH 3310. Psychology of Science and Pseudoscience — 3 hrs.
Daily, we are bombarded with interesting and novel breakthroughs involving claims that may or may not be true. In this age of fake news, alternative facts, and evidence-free assertions, critical thinking is of paramount importance. In this course, students will distinguish science and pseudoscience; identify logical fallacies and cognitive biases involved in pseudoscientific thinking; and critically evaluate current controversies (e.g., vaccines, alternative medicine, conspiracy theories) from multiple perspectives. (Fall and Spring)

PSYCH 3403/5403. Abnormal Psychology — 3 hrs.
Definition, classification, and characteristics of abnormal behaviors and major mental disorders. Review of the causes and treatment of major mental disorders. Prerequisite(s): PSYCH 1001; junior standing. (Fall, Spring, Summer)

PSYCH 3502/5502. Motivation and Emotion — 3 hrs.
Addresses genetic, environmental, physiological, and emotional influences; goal setting; psychological and social needs; self and personality. Prerequisite(s): PSYCH 1001; junior standing. (Fall and Spring)

PSYCH 3505/5505. Cognitive Psychology — 3 hrs.
Investigation of basic concepts and contemporary topics in cognitive psychology such as perception, attention, pattern recognition, consciousness, memory, the representation of knowledge, language, cognitive development, thinking, and artificial intelligence. Prerequisite(s): PSYCH 1001; junior standing. (Fall and Spring)

PSYCH 3603/5603. Child and Adolescent Psychopathology — 3 hrs.
Overview of childhood problems ranging from minor problems in adjustment to severely disabling disorders; primary focus on research findings relevant to assessment, etiology, prognosis, and management. Prerequisite(s): PSYCH 1001; plus any one from FAM SERV 1055, PSYCH 2202, EDPSYCH 2030, or equivalent, or consent of instructor; junior standing. (Fall and Spring)

PSYCH 3606/5606. Special Topics in Social Psychology — 3 hrs.
In-depth coverage of an applied topic in social psychology and the design of social psychology research. Students will be required to complete a project, which may or may not include the collection of data, in the topical area. Topics may include, but are not limited to, social cognition, emotion, interpersonal relationships, aggression, persuasion, altruistic behavior, identity and group dynamics. Prerequisite(s): PSYCH 1001; PSYCH 3002; PSYCH 2203; junior standing. (Variable)

PSYCH 4198. Independent Study — 1-3 hrs.
Under special circumstances, students may study a topic of interest under the supervision of an individual faculty member. Generally, three hours of independent reading per week per credit hour. May be repeated for a maximum of 6 credit hours. Prerequisite(s): consent of instructor. (Variable)

PSYCH 4604/5604. Principles of Psychometrics — 3 hrs.
Exploration of contemporary theories and principles basic to the construction and clinical use of psychological tests. Students will learn how to (a) critically evaluate psychological tests (e.g., self-report and interview methods) and (b) develop and validate self-report instruments, using contemporary psychometric principles and procedures. Prerequisite(s): PSYCH 1001; PSYCH 3002; PSYCH 3003; junior standing. (Variable)

PSYCH 4607/5607. Psychological Anthropology — 3 hrs.
Psychological dimensions of sociocultural systems from a cross-cultural perspective. Analysis of universals and cultural variation in cognition, socialization, concepts of the self, emotion, and mental illness. Prerequisite(s): PSYCH 1001 or ANTH 1002; junior standing. (Variable)

PSYCH 4608/5608. Gender in Cross-Cultural Perspective — 3 hrs.
Evolutionary, biological, psychological, cognitive, social, and cultural theories of gender and gender inequality evaluated with respect to cross-cultural data. Prerequisite(s): PSYCH 1001 or SOC 1000 or ANTH 1002; junior standing. (Same as ANTH 3104/5104) (Variable)

PSYCH 4609/5609. Seminar in Psychology — 1-3 hrs.
Provides opportunity to correlate previous course work and knowledge in field of psychology. May be repeated for maximum of 6 hours. Prerequisite(s): PSYCH 1001; PSYCH 3002 or consent of instructor; 15 hours in psychology; junior standing. (Variable)

PSYCH 4704/5704. Practicum in Teaching Psychology — 1-3 hrs.
Organization and teaching of psychology; student serves as participant-observer, with advance approval, in any PSYCH xxxx course. May be repeated for a maximum of 6 credit hours. Prerequisite(s): Psychology GPA 3.00 or higher; B+ or higher in the course for which student will participate; junior standing. (Fall, Spring, Summer)

PSYCH 4705/5705. Research Experience in Psychology — 1-3 hrs.
Conduct a supervised research or scholarly project. Highly recommended for students planning to enter graduate programs. Majors with an overall GPA of at least 3.50 may earn departmental honors if their projects are deemed worthy of honors by the department. May be repeated for a maximum of 12 credit hours. Prerequisite(s): PSYCH 1001; PSYCH 3002; 15 hours in psychology; junior standing; consent of instructor. (Fall, Spring, Summer)

PSYCH 6001. Advanced Statistics — 3 hrs.
Review of elementary descriptive and inferential statistics, analysis of variance and covariance models, multiple linear regression and the generalized linear model, and specialized topics in multivariate analysis. Prerequisite(s): previous courses in statistics; graduate standing in psychology or consent of instructor. (Fall)

PSYCH 6002. Research Design — 3 hrs.
Covers the planning and execution of psychological research. Topics include research design, measurement, ethical issues, sources of artifact and bias, data evaluation, and interpretation. Prerequisite(s): PSYCH 6001; graduate standing in psychology or consent of instructor. (Spring)

PSYCH 6003. Graduate Practicum in Teaching Psychology — 1 hr.
Preparation for and supervised experience as an introductory psychology instructor. Required course for all first-semester Teaching Fellows; may be taken by graduate students planning to apply for teaching fellowships. May be repeated. Some course work required before the start of first teaching semester. Prerequisite(s): graduate standing in psychology. (Variable)

PSYCH 6006. Research in Psychology — 1-3 hrs.
Conduct a supervised research project. May be repeated for maximum of 9 hours. Prerequisite(s): graduate standing in psychology; consent of graduate coordinator and instructor. (Fall, Spring, Summer)

PSYCH 6203. Personality — 3 hrs.
Comparative study of major personality theories and techniques of personality assessment. Prerequisite(s): graduate standing in psychology or consent of instructor. (Even Springs)

PSYCH 6204. Advanced Social Psychology — 3 hrs.
Covers the major areas of classic and current research in social psychology. Students engage in an in-depth, critical analysis of the research in areas including, but not limited to, conformity, obedience, social norms, social cognition, interpersonal relationships, aggression, and helping behavior. Substantial proportion of the course focuses on social cognition. Examines the socio-historical context of social psychology and the application of social psychological research. Prerequisite(s): an undergraduate course in social psychology; graduate standing in psychology or consent of instructor. (Fall)

PSYCH 6205. Advances and Developments in Social Psychology — 1 hr.
Seminar involving presentations and discussion of current research in social psychology. May be repeated for maximum of 4 hours credit. Credit/no credit basis only. Prerequisite(s): graduate standing in psychology (Social Psychology emphasis) or consent of instructor. (Fall and Spring)

PSYCH 6206. Field Methods in Social Psychology — 3 hrs.
This course is an introduction to survey science, experimental field methods, and quasi-experimental designs used in the social and behavioral sciences. The course will explore design principles for surveys, field and quasi-experiments and common challenges encountered when implementing such methods. Students will be introduced to principles of survey process, sampling, modes of survey data collection, issues of experimental compliance, randomization inference, and attrition. Students will be asked to participate actively in discussions, and complete weekly and semester-long projects in order to integrate social psychology questions into survey, field, and quasi-experimental research methodologies. Prerequisite(s): Graduate standing in Psychology (Social emphasis) or consent of instructor. (Spring)

PSYCH 6285. Readings in Psychology — 1-3 hrs.
Individualized readings. May be repeated for maximum of 6 hours. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

PSYCH 6289. Seminar.
(Variable)

PSYCH 6299. Research.
Prerequisite(s): consent of department. (Fall, Spring, Summer)

PSYCH 6401. Cognitive Assessment — 4 hrs.
Introduction to the standardized administration of cognitive and achievement tests. Students will learn best practices for ethical, technically competent, empirically supported assessments. Prerequisite(s): Graduate standing in psychology (Clinical Science emphasis) or consent of instructor. (Fall)

PSYCH 6405. Personality Assessment — 4 hrs.
Overview of theoretical and empirical issues in personality measurement. Examines psychometric properties of traditional personality assessment techniques, and utility of behavioral and objective assessment in diagnosis. Prerequisite(s): Graduate standing in psychology or consent of instructor. (Spring)

PSYCH 6406. Adult Psychopathology and Diagnosis — 3 hrs.
Reviews diagnostic issues and covers the major mental disorders in the Diagnostic and Statistical Manual of Mental Disorders. Includes coverage of symptoms, prevalence and incidence, risk factors and correlates, etiology, and differential diagnosis issues. Prerequisite(s): graduate standing in psychology or consent of instructor. (Spring)

PSYCH 6410. Child Psychopathology and Diagnosis — 3 hrs.
An overview of diagnostic and assessment issues in the most common types of childhood psychopathology, as well as an in-depth examination of evidence-based treatments for these disorders. Prerequisite(s): graduate standing in the Psychology department or related field. (Spring)

PSYCH 6418. Internal Clinical Practicum — 1-3 hrs.
Supervised experience as a psychologist-trainee in the UNI Psychological Assessment Clinic. May be repeated for maximum of 3 hours. Prerequisite(s): Graduate standing in psychology (Clinical Science emphasis), grade of B- or higher in all courses. (Fall and Spring)

PSYCH 6419. Internship — 3 hrs.
A course for students on the Professional Track of the Clinical Science Emphasis in the Psychology MA program. These students will complete advanced clinical training at an agency either on campus or off campus. Students will see clients and will be exposed to additional professional experiences. Prerequisite(s): Graduate standing in Psychology (Clinical Science emphasis). (Spring)

PSYCH 6425. Practicum Team — 3 hrs.
In a vertical team of graduate students, this course covers therapy skills, clinical ethics, and evidence-based psychological practice through relevant clinical readings, case studies, and professional clinical experiences. Less advanced students will learn primarily through academic means, whereas more advanced students will also learn through clinical practicum experiences. Prerequisite(s): Graduate standing in Psychology (Clinical Science Emphasis). (Fall and Spring)

Public Health Courses (PH)

Courses

PH 1101. Introduction to Public Health — 3 hrs.
Introduction to the public health activities concerned with the protection and care of the community; survey of the major specialties and populations of interest in the public health field; and exploration of ethical issues related to public health. (Fall and Spring)

PH 1410. Basic Nutrition — 3 hrs.
This course introduces the basic concepts of nutrition. The content includes the functions of the major nutrients and food sources of each, the principles of healthy eating, dietary intake evaluation, energy balance, weight control, nutrition and fitness, food safety, and how food choices can enhance health, performance, and reduce the risk of chronic disease will also be covered. (Fall and Spring)

PH 1610. Exploring Careers in Public Health — 2 hrs.
Exploring Careers in Public Health is a class designed to give students a better understanding of the various career paths in the field of Public Health. The focus will be hands-on experiences obtained through field trips, site visits, tours, volunteering, shadowing, observation hours, informational and networking interviews, and guest speakers. (Variable)

PH 2130. Epidemiology of Human Diseases — 3 hrs.
Systemic approach to study of human diseases emphasizing common physical disorders afflicting humans and the methods of both descriptive and analytical epidemiology to measure their presence and impact on the human population. (Spring)

PH 2160. Medical Terminology, Short Course — 2 hrs.
Basic terminology and abbreviations used in the medical field; including terms related to procedures, diagnoses, instrumentation, and medical specialties. Students needing NCTRC certification must take PH 2180. PH 2160 cannot be taken after earning credit in PH 2180. (Variable)

PH 2180. Medical Terminology — 3 hrs.
Comprehensive coverage of terminology and abbreviations used in the medical field; including terms related to procedures, diagnoses, instrumentation, and medical specialties. Course Includes pronunciation of terms and identification of spoken terms. (Variable)

PH 2420. Nutrition for Health Promotion — 3 hrs.
Good nutrition is imperative for lifelong health. The focus of this course is building and applying nutritional knowledge to enhance skills, and abilities to educate, program, and promote individual and community level healthy eating. Prerequisite(s): PH 1410. (Odd Springs)

PH 2430. Food and Nutrition Practicum — 2 hrs.
Understanding and applying nutritional knowledge is imperative for lifelong health and wellbeing. This course is designed to provide applied knowledge in building nutrition education skills and focuses on exposure and experiences related to food, nutrition, and health in a variety of individual, community-based and institutional settings. Prerequisite(s): PH 1410. (Even Springs)

PH 2520. Maternal and Infant Health — 3 hrs.
Provides an overview of maternal and child health concepts, issues and trends. Topics covered include conception, pregnancy, childbirth, lactation and public health, prevention, and epidemiological issues in maternal and infant health. (Fall)

PH 2530. Introduction to Women's Health — 3 hrs.
Survey of contemporary issues in women's health providing an understanding of women's personal health status, needs, and resources; awareness of women's health issues worldwide and the political, cultural, economic, and psychosocial factors which affect the health of women. (Fall)

PH 2540. Selected Topics in Women's Health — 3 hrs.
In-depth development and exploration of selected themes and topics in women's health. Focus on health issues that disproportionately affect women and examination of health issues, prevention programs, and strategies for health advocacy surrounding adolescent and adult unintended pregnancy, violence, substance abuse, and disordered eating through a feminist developmental perspective. (Variable)

PH 2620. Stress and Coping — 3 hrs.
Introduction to stress, the relationship between stress and disease, and strategies for coping with stress. Preference to Public Health majors. (Even Springs)

PH 2630. Aging and Health — 3 hrs.
Introduction to aging and health concerns of older individuals, and to broader issues of aging, health, and society. Study of aging demographics, biomedical aspects of aging, and selected issues of health and aging. Prerequisite(s): junior standing. (Variable)

PH 3030. Applied Food, Nutrition, and Health — 3 hrs.
Understanding and applying nutritional knowledge is imperative for lifelong health. This course involves critical and collaborative study of current and emerging issues in food and nutrition research as it impacts human health and disease. Evaluating, synthesizing, and interpreting nutrition research as it applies to public health through student collaboration is emphasized in the course. (Variable)

PH 3140/5140. Planning and Evaluating Public Health Programs — 4 hrs.
Investigation of the social, epidemiological, behavioral, educational, and administrative factors related to planning health programs and the procedures and methods for health program evaluation. Prerequisite(s): junior standing. (Spring)

PH 3150/5150. Implementation and Advocacy in Public Health Programs — 4 hrs.
Methods, techniques, and resources used in advocacy and implementing in public health programs. Requires field-based work. Prerequisite(s): PH 3140/5140; junior standing. (Fall)

PH 3160. Community and Public Health — 3 hrs.
Examination of the major public health issues facing the U.S. and world population. Investigation of major public health

initiatives, public policy, and ethical issues related to public health. Prerequisite(s): junior standing. (Same as CAP 3160) (Variable)

PH 3170. Internship Seminar — 3 hrs.
The Public Health internship seminar course is a professional development oriented course which provides skills and abilities related to job-seeking, career, and field experiences. The focus is on development of professional tools including portfolios, resumes, interviewing skills, and relevant certifications. This course is a prerequisite to PH 4180 Internship. Prerequisite(s): consent of instructor. (Variable)

PH 3230. Drug Prevention Education for School Health Educators — 3 hrs.
The course is designed to provide school health educators with basic information, skills, and coursework relevant to drug prevention education. Coursework is relevant to the needs of a school health educator and can be implemented into the school health education classroom. (Spring)

PH 3240. Secondary School Health Education Methods — 2 hrs.
Examination of role of the teacher in planning, delivering, and evaluating middle and high school health education; introduction of instructional methods and materials and their use demonstrated and practiced. Prerequisite(s) or corequisite(s): completion of Level II or corequisite (TEACHING 3128; EDPSYCH 3148). (Variable)

PH 3245. Secondary School Health Education Methods and Curriculum — 3 hrs.
Focus on the skills and knowledge needed to plan, organize, manage, implement, and evaluate appropriate health education instruction in the secondary classroom (grades 5-12). Field experiences in secondary school health education classrooms. Prerequisite(s) or corequisite(s): completion of Level II Sequence or corequisite (TEACHING 3128; EDPSYCH 3148). (Fall)

PH 3250. Community and Public Health for School Health Educators — 3 hrs.
Methods of delivering instruction for Community and Public Health in the secondary classroom. Designed for in-service teachers seeking a health education endorsement. (Variable)

PH 3260. Substance Abuse Prevention for School Health Educators — 3 hrs.
The course is designed to provide school health educators with basic information, skills, and coursework relevant to drug prevention education in the school setting. Coursework is relevant to the needs of a school health educator and can be implemented into the school health education setting. (Variable)

PH 3270. Mental and Emotional Health for School Health Educators — 3 hrs.
Methods of delivering instruction for Mental and Emotional Health in the secondary classroom. Designed for in-service teachers seeking a health education endorsement. (Variable)

PH 3280. Sexuality Education for School Health Educators — 3 hrs.
Methods of delivering instruction for Sexuality Education in the secondary classroom. Designed for in-service teachers seeking a health education endorsement. (Variable)

PH 3290. Consumer Health for School Health Educators — 2 hrs.
Methods of delivering instruction for Consumer Health in the secondary classroom. Designed for in-service teachers seeking a health education endorsement. (Variable)

PH 3310/5310. Cultural Competency for the Helping Professions — 3 hrs.
Overview of the changing demographics in the United States, and discussion of how culturally competent health care can improve the wellbeing of underserved populations. Provides in-depth training in working in a culturally appropriate manner with multiple diverse populations in Iowa and the United States. Prerequisite(s): junior standing. (Fall and Spring)

PH 3320/5320. Global Service Mission — 3-6 hrs.
The Global Service Mission is a hybrid practicum that provides guided opportunities for students to conduct a short-term volunteer service project in their local community, around the United States, or internationally with underserved populations for academic credit. Offered credit/no credit basis only. May be repeated. Prerequisite(s): junior standing. (Variable)

PH 3330/5330. Minority Health — 3 hrs.
Exploration of public health issues and problems faced by members of minority populations. Includes public health field trips and cultural competency development experiences. Prerequisite(s): junior standing. (Variable)

PH 3340/5340. International Health — 3 hrs.
Exploration of widely-different disease patterns found between developed and developing countries, and investigation of the complex factors that contribute to poor community health status. Discussion of wellness strategies for populations in developing countries, as well as for minorities, immigrants, low income persons, and other underserved groups within the United States. Prerequisite(s): junior standing. (Variable)

PH 3640/5640. Worksite Health Promotion — 3 hrs.
Models of delivery of health promotion, disease prevention, and occupational health/safety programs to employee populations. Prerequisite(s): junior standing. (Spring)

PH 3650. Complementary, Alternative, and Integrative Health — 3 hrs.
Introduction to the concepts, theoretical basis, evidence-based analysis, and challenges and issues in integrative health and complementary and alternative medical practices (CAM). Integrative, alternative, and complementary medicine covers a broad range of healing philosophies, approaches, and therapies involving the use of holistic or culturally-specific health services and practices in the treatment of illness and disease and embraces an expanded concept of health and illness. Prerequisite(s): junior standing. (Same as CAP 3152) (Variable)

PH 3660/5660. Public Health Theory — 3 hrs.
Selected learning and behavior change theories and ethical principles that serve as the foundation for effective public health, health promotion, and health education practice; emphasis on the practical application of these theories and principles in public health program delivery. Prerequisite(s): junior standing. (Variable)

PH 3670. Health Care and the Consumer — 2 hrs.
Selection and use of health care products and services, alternative health care, health care insurance systems, consumer protection. (Variable)

PH 3686. Readings — 1-4 hrs.
Credit based on student's proposal; to be determined at time of registration. Written contract will determine appropriate work load under credit guidelines. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

PH 3689. Seminar — 3 hrs.
Focus on issues in community health education and the transition from student role to health educator or health promotion specialist role. (Fall and Spring)

PH 3710/5710. Environmental Health Science — 3 hrs.
Comprehensive survey of the interaction between human health and the quality and state of the natural environment. Prerequisite(s): junior standing. (Fall)

PH 3720/5720. Environmental and Occupational Health Regulations — 3 hrs.
Overview of environmental and occupational safety laws applied to the practice of environmental science. Emphasis on application of the legislation with a focus on regulations. Includes major environmental laws such as the National Environmental Policy Act, Clean Air Act, Clean Water Act, and the Occupational Safety and Health Act. Prerequisite(s): junior standing. (Odd Springs)

PH 3730/5730. Toxins and Health — 3 hrs.
This course introduces the basic principles of human toxicology for the environmental health sciences, including exposure assessment concepts, biomolecular and human biosystems impacts of toxicants. Detailed case studies of key toxins are used to examine the full absorption, distribution, metabolism and elimination (ADME) cycle including discussions of limiting exposures and cutting edge topics in toxicology. Prerequisite(s): junior standing. (Variable)

PH 3740/5740. Environmental Health, Field Methods, Technology, and Laboratory Applications — 3 hrs.
Strives to develop understanding and working knowledge of the basic tools of environmental health research and field methods. Students will develop skills and competencies related to basic laboratory methods and safety protocols, sampling, types of environmental epidemiology/health research study designs, and the types of mathematical tools employed by researchers practicing and working in this area. Prerequisite(s): junior standing. (Variable)

PH 4170. Senior Project — 3 hrs.
Senior Project compliments the internship requirement preparing students for future employment in public health organizations. Written report and oral presentation required after the completion of internship. Prerequisite(s): Senior standing; consent of Internship Coordinator. Corequisite(s): PH 4180. (Spring and Summer)

PH 4180. Internship — 1-12 hrs.
1 - 12 hrs. Experience in area of student's career objectives. Offered on credit/no credit basis only. Prerequisite(s): PH 3170 or HRCS 4000; senior standing; consent of Internship Coordinator. CPR, First Aid, OSHA and Mandatory Reporting certificates required. Corequisite(s): PH 4170. (Spring and Summer)

PH 4663/5663. Human Diseases — 3 hrs.
Systemic approach to study of human diseases emphasizing common physical disorders afflicting humans while contrasting normal physiology with the pathophysiology of the conditions. Current trends in diagnosis and treatment, along with preventive and wellness measures, are stressed. Prerequisite(s): junior standing. (Variable)

PH 6220. Health Determinants — 3 hrs.
Students will integrate current research, theory, and empirical evidence to develop a better understanding of the determinants of health. Examines social, environmental, and individual determinants of health, and explores the linkages and pathways through which these factors operate. Prerequisite(s): graduate standing in Health Education or Public Health, or consent of instructor. (Variable)

PH 6245. Internship in Health Education — 2-6 hrs.
Health program experience with agencies other than the college or university. May be repeated once for credit. Prerequisite(s): consent of Health Promotion and Education Graduate Coordinator. (Fall, Spring, Summer)

PH 6285. Readings — 1-4 hrs.
May be repeated for maximum of 6 hours. (Fall, Spring, Summer)

PH 6289. Seminar — 1 hr.
May be repeated for maximum of 6 hours. (Variable)

PH 6297. Practicum — 2-3 hrs.
May be repeated for credit. (Fall, Spring, Summer)

PH 6390. Philosophy and Ethics of Public Health and Health Promotion — 3 hrs.
Analysis of philosophical foundations and ethical principles related to public health, health promotion, and health education practice. (Variable)

Public Policy Courses (PUBPOL)

Courses

PUBPOL 6201. Politics and Public Policy — 3 hrs.
Defining and focusing on the non-linear aspect of the policy process, including an emphasis on non-rational decision making. Analysis of legislative, executive, and bureaucratic influences. Understanding how policy images and public perception shape the formation of public policy and evaluation techniques. (Odd Falls)

PUBPOL 6204. Program Evaluation in Public Policy — 3 hrs.
Theory and practice of program evaluation and evaluative research from both quantitative and qualitative perspectives. (Even Falls)

PUBPOL 6220. Public Policy, Advocacy and Public Funding — 2 hrs.
Policy context of philanthropy and nonprofit development; the role of nonprofits in policy development and advocacy. Prerequisite(s): admission into the Philanthropy and Nonprofit Development graduate program. (Variable)

PUBPOL 6230. Ethics in Public Policy — 3 hrs.
Examination of widely accepted moral philosophies and non-rational approaches to ethical judgments; application of ethical principles and analytic methods to decision-making in public policy. Specific topics will vary, in accordance with current events. (Variable)

PUBPOL 6260. Policy Analysis: Methods and Approaches — 3 hrs.
Research methods and approaches for analyzing and evaluating public policy choices and impacts. Understanding the context and purposes of policy analysis. Defining policy research questions and developing research designs. Selecting and applying appropriate research methods to policy problems. Prerequisite(s): enrollment requires admission to the graduate program in Public Policy, or consent of Director of Graduate Program in Public Policy. (Odd Falls)

PUBPOL 6275. Quantitative Methods for Politics and Policy — 3 hrs.
Statistical methods appropriate to study of political science and public policy, including hypothesis testing using parametric and nonparametric tests, correlation and bivariate regression, experimental methods, logistic regression and multiple regression. (Even Springs)

PUBPOL 6276. Advanced Methods for Public Policy — 3 hrs.
Introduction to advanced statistical methods appropriate to the study of public policy, including correlation, bivariate and multiple regression. Students will have the opportunity to explore real world data sets using the tools and analytical skills learned throughout the course to produce policy memos informed by data analysis. (Even Falls)

PUBPOL 6280. Capstone: Policy Practicum — 3 hrs.
Provides students with an opportunity to apply the data analytic and program evaluation skills learned throughout the program by partnering with selected organizations in surrounding communities to engage in policy analysis and decision making. (Odd Springs)

PUBPOL 6281. Internship in Public Policy — 3 hrs.
Field experience for students enrolled in Master of Public Policy degree program. Students may be given credit for extensive career experience at the discretion of the Program Director. (Even Summers)

PUBPOL 6285. Readings in Public Policy — 1-3 hrs.
Registration requires written consent of Program Director. May be repeated. (Odd Summers)

Recreation, Tourism and Nonprofit Leadership Courses (RTNL)

Courses

RTNL 2020. Leadership in Leisure, Youth and Human Services — 3 hrs.
Theories, principles, and practices of leisure, youth and human services leadership; techniques and methods of working with individuals and groups. (Variable)

RTNL 2110. Foundations of Community Parks and Recreation — 3 hrs.
Conceptual foundations of community parks and recreation including historical and philosophical foundations of the parks and recreation field, demand for and organization of different types of resources and services, and career and professional opportunities. (Spring)

RTNL 2120. Foundations of Tourism — 3 hrs.
Investigation of many roles travel and tourism play in contemporary society. Overview of the travel and tourism industry, examination of definitions of travel/tourism, and exploration of the history and development of tourism. (Fall)

RTNL 2130. Foundations of the Nonprofit Sector — 3 hrs.
Overview of the nonprofit sector including history, philosophy, mission, management, activities, and trends. Special emphases on the affiliate agencies of the Nonprofit Leadership Alliance. Students earning a "C" or better simultaneously earn a certificate from the Iowa Nonprofit Resource Center. (Fall)

RTNL 2140. Foundations of Outdoor Recreation — 3 hrs.
Overview of development, implementation, and evaluation of outdoor recreation programs. Examination of benefits and challenges of outdoor recreation, with focus on outdoor leadership competencies. (Spring)

RTNL 2150. Foundations of Youth Work — 3 hrs.
A survey and discussion of the practices associated with youth development from a historical and philosophical standpoint. An introduction of the various contexts and methods associated with youth development. (Spring)

RTNL 2160. Foundations of Therapeutic Recreation — 3 hrs.
In this course, you will learn about the field of therapeutic recreation/recreation therapy (TR/RT), study common disability conditions and the effect of these conditions on lifestyle and health, and explore the therapeutic use of recreation from a person-centered approach. In addition, you will gain volunteer experience in Special Olympic events. (Fall)

RTNL 2210. Nonprofit Leadership Practicum, Level I — 2 hrs.
Professional development forum for experiential education and practical application in recreation, tourism and community services. Activities and programming designed for students seeking a Certified Nonprofit Professional (CNP) credential, as part of the Nonprofit Leadership Alliance program. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

RTNL 3030. Inclusive Recreation and Diversity in RTNL — 3 hrs.
Overview of interaction of leisure services and the elements of diversity (e.g., race/ethnicity, gender, age, and ability/disability). (Variable)

RTNL 3110. Management and Human Resources in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
An examination of the foundations associated with recreation, tourism and nonprofit leadership management and human resources, including marketing, legal aspects, fiscal responsibilities, and risk management. Students will be introduced to technological innovations associated with marketing and promoting recreation, tourism and nonprofit leadership management and human resources. (Fall and Spring)

RTNL 3120. Programming for Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Introduction to methods and procedures for planning, budgeting, implementing, and evaluating recreation, tourism and community service programs. (Fall and Spring)

RTNL 3121. Philosophical Foundations of Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Examination of historical and philosophical foundations of recreation, tourism and nonprofit leadership, including leisure and play theory, leisure behavior and societal issues, leisure and the environment, and application of theories and behavioral concepts required to understand and manage services, activities, and environments. (Variable)

RTNL 3130. Marketing in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Core concepts of marketing in recreation, tourism and community services including promotion, management, planning, environment, research, consumer behavior, and market segmentation. Demand, supply and community based assets will be examined with a focus on marketing in Iowa and beyond. (Fall and Spring)

RTNL 3280. Readings in Recreation, Tourism and Nonprofit Leadership — 1-3 hrs.
Individual reading and literature review in recreation, tourism and nonprofit leaderships. Credit to be determined at time of registration based on student's proposal. Prerequisite(s): junior standing; consent of instructor. (Fall, Spring, Summer)

RTNL 3337. Human Resource Development for Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Recruitment, hiring, management, performance evaluation, supervision and termination of staff, volunteers and board members. Emphasis on nonprofit and government personnel practices and procedures. (Variable)

RTNL 3338. Planning Strategies in Nonprofit and Youth Agencies — 3 hrs.
Examination and evaluation of various planning models used in nonprofit and youth agencies to meet the needs of participants. Emphasis on matching developmental needs to planning strategies and models. Prerequisite(s): junior standing or consent of instructor. (Variable)

RTNL 3340. Prevention & Intervention Programs in Youth Work — 3 hrs.
An exploration and discussion of the design, implementation and evaluation associated with prevention and intervention programs for youth in a variety of contexts. An introduction of the various types of programs that may aid in supporting youth during their developmental years. (Fall)

RTNL 3774. Conferences, Expositions and Conventions in Tourism — 3 hrs.
Exploration of the field of conferences, expositions, and conventions and their niche in the tourism industry. Study of organizational logistics, program development, economic impact, meeting technology, legal issues, employment opportunities, and topics of current interest related to the field. Prerequisite(s): RTNL 2770 or consent of instructor. (Variable)

RTNL 3777/5777. Special Events Management — 3 hrs.
Planning and management of special events including research, coordination, marketing, and evaluation. Theories and practices relevant to successful event planning for host community residents and tourists. Prerequisite(s): junior standing. (Odd Springs)

RTNL 3778/5778. Community Based Tourism — 3 hrs.
Promotes student competencies that will enable them to assist small communities in tourism development through an organized planning process. Prerequisite(s): junior standing. (Even Springs)

RTNL 3991/5991. Philosophical Ideologies of Therapeutic Recreation — 3 hrs.
This course is a continuation of RTNL 2160 Foundations of Therapeutic Recreation and is designed to further develop the student's knowledge of therapeutic recreation principles and practices. The major emphasis of this course is for students to be familiar with the similarities and differences of common historical and philosophical foundations, including therapeutic recreation programming models of the profession. This course also includes the student developing an understanding of primary medical terminology used by therapeutic recreations specialists and other collaborating professionals in health and human services. Prerequisite(s): junior standing. (Odd Springs)

RTNL 4210/5210. Nonprofit Leadership Practicum, Level II — 2 hrs.
Leadership development forum embracing experiential education and practical application for activities in recreation, tourism and nonprofit leadership. Activities and programming designed for students seeking a Certified Nonprofit Professional (CNP) credential, as part of the Nonprofit Leadership Alliance program. May be repeated for maximum of 6 hours. Prerequisite(s): RTNL 2210; junior standing; consent of instructor. (Fall and Spring)

RTNL 4290/5290. Recreation, Tourism and Nonprofit Leadership Field Experience — 1-12 hrs.
Supervised observation and leadership experience in recreation, tourism and nonprofit leadership. May be repeated with consent of department. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Fall, Spring, Summer)

RTNL 4310/5310. Areas and Facilities in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
An introduction to the principles and procedures for planning, designing, managing, and evaluating recreation, tourism, park, and community service settings, areas and facilities. Prerequisite(s): junior standing. (Fall and Spring)

RTNL 4320. Financial Resource Management in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Theory and practice of budget development, fundraising, financial control, and grant seeking in programs within recreation, tourism and nonprofit leadership Prerequisite(s): junior standing. (Fall and Spring)

RTNL 4330/5330. Research and Evaluation in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Introduction to research, evaluation, needs assessment concepts, procedures, and analyses in recreation, tourism and nonprofit leadership. Prerequisite(s): junior standing. (Fall and Spring)

RTNL 4340. Seminar in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Prepares students for internship and future employment in recreation, tourism and nonprofit leadership organizations. Focus on development of professional documentation (portfolio, resume, etc.), skills, and internship placement. Prerequisite(s): senior standing; consent of instructor. (Fall and Spring)

RTNL 4510. Internship in Recreation, Tourism and Nonprofit Leadership — 1-12 hrs.
Comprehensive practical experience in recreation, tourism and nonprofit leadership. RTNL majors must register for 9 hours. Offered on credit/no credit basis only. Prerequisite(s): senior standing; consent of Internship Coordinator. Corequisite(s): for Leisure, Youth and Human Services majors only: RTNL 4520. (Spring and Summer)

RTNL 4520. Senior Project in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Programming, resource, or research project to be completed during internship. Written report and oral presentation required after the completion of internship. Prerequisite(s): senior standing; consent of Internship Coordinator. Corequisite(s): RTNL 4510. (Spring and Summer)

RTNL 4552/5552. Theory and Practice of Outdoor Education — 3 hrs.
Principles and practices of outdoor education and interpretation for teaching in schools, communities, nature centers, camps and parks. Focus on application in environmental education/adventure settings. Field trip(s)required. Prerequisite(s): junior standing. (Spring)

RTNL 4553/5553. Trends and Issues in Outdoor Recreation — 3 hrs.
Theory and practical application of current issues, concerns, and trends as they relate to the field of outdoor recreation. Covers some of the historical roots of the American wilderness movement, some of the philosophers who influenced that movement, and some of the major philosophical schools of thoughts that have influenced the way we consider wilderness. Prerequisite(s): junior standing. (Fall)

RTNL 4554/5554. Managing Recreation Impacts on the Natural Environment — 3 hrs.
Basic concepts and techniques used in planning, managing, and sustaining natural settings for human activities and experiences to ensure that negative impacts are minimized and opportunities for recreation are enhanced and sustainable. Psycho-social concepts of how parks and green spaces can have a positive effect on human

health and well-being if properly designed and managed will also be explored. Prerequisite(s): junior standing. (Fall)

RTNL 4556/5556. History of Outdoor Recreation — 3 hrs.
Explores the history of outdoor recreation in the United States and its role in defining American identity by tracing its global roots, its production and management from the local to the federal level, and by examining controversies surrounding various recreational forms. Prerequisite(s): junior standing. (Same as HIST 4556/5556) (Fall)

RTNL 4621/5621. Camp Staff Development — 2-8 hrs.
Staff development and program planning principles, methods, and procedures used in the development of camp services. Lecture and lab. Offered on credit/no credit basis only. May be repeated for maximum of 8 hours. Prerequisite(s): junior standing. (Spring)

RTNL 4623/5623. Field Experience in Camp Counseling — 1-12 hrs.
Supervised counseling experience in an organized camp. May be repeated with consent of department. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Fall, Spring, Summer)

RTNL 4625/5625. Camp Management Systems — 1-12 hrs.
Actual administration of a camp program. Includes personnel supervision, program implementation, and evaluation of camp system. Lecture and lab. May be repeated with consent of department. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Fall, Spring, Summer)

RTNL 4776/5776. Eco, Adventure and Sport Tourism — 3 hrs.
Study of special tourism such as eco, adventure and sport tourism. Dynamics of responsible tourist travel that conserves natural environments and sustains the well-being of local people. Definitions, objectives, and profiles of programs involved in eco, adventure, and sport tourism. Field trips required. Prerequisite(s): junior standing. (Odd Falls)

RTNL 4779/5779. Community Planning Workshop — 3-6 hrs.
Project-based community planning and research course. Provides applied research and communication skills to function creatively and competently in professional settings. Design and execution of planning projects that address recreation and tourism issues. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing. (Even Falls)

RTNL 4995/5995. Assessment, Programming and Evaluation in Therapeutic Recreation — 3 hrs.
Assessment, programming, and evaluation methods/techniques used in providing therapeutic recreation to persons with disabilities. In particular, this course is designed to develop the student's knowledge and application of current TR/RT and intra-professional assessment instruments, interpretation and documentation of assessment results, creating individualized intervention plans with goals and measurable behavioral objective, and current TR/RT evaluation strategies. Prerequisite(s): verified First Aid and CPR certification; junior standing. Corequisite(s): RTNL 4996/5996. (Even Springs)

RTNL 4996/5996. Intervention Techniques in Therapeutic Recreation — 3 hrs.
The study of intervention techniques for therapeutic recreation settings. In particular, this course is designed to develop the student's knowledge and application of theories of human behavior and principles of behavioral change, principles of group dynamics and leadership, contributions of play, recreation, and leisure to health and well-being, models of TR/RT service delivery and different modalities/interventions, facilitation approaches, and intervention techniques. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): RTNL 4995/5995. (Even Springs)

RTNL 4997/5997. Administrative Practices in Therapeutic Recreation — 3 hrs.
Knowledge and techniques for management of therapeutic recreation services. In particular, this course is designed to develop the student's knowledge and application of TR/RT organizational service plan of operation, quality improvements, personnel, intern, and volunteer management, budgeting and fiscal management, and public relations, promotion, and marketing. Prerequisite(s): junior standing. (Odd Springs)

RTNL 4998/5998. Technology, Cross-Cultural, and Evidence-based Practices in Therapeutic Recreation — 3 hrs.
This class is broken into three modules related to knowledge of evidence-based practices, cross-cultural competencies, and digital technology in therapeutic recreation. In particular, this course is designed to develop the student's knowledge and application of digital technology, cultural competency, and clinical reasoning culminating in the selection of evidence based practice for specific diagnoses and conditions. Prerequisite(s): junior standing. (Odd Falls)

RTNL 6200. Historical and Philosophical Foundations of Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Historical and philosophical perspective for understanding leisure, leisure behavior, and professional practices in recreation, tourism and nonprofit leadership. (Variable)

RTNL 6201. Social Policy and Issues in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Examination and analysis of current trends, issues, and social policy confronting practitioners in voluntary/not-for-profit, public, and commercial recreation, tourism and nonprofit leadership agencies. (Variable)

RTNL 6202. Social Psychology of Leisure — 3 hrs.
Exploration of socio-psychological dimensions of leisure as they affect recreation, tourism and nonprofit leadership practitioners and agencies, focusing on theories from sociology, psychology, and social psychology. (Spring)

RTNL 6203. Philanthropy and Nonprofit Development: An Overview — 3 hrs.
Introductory course to the Philanthropy and Nonprofit Development program designed to give broad coverage for professionals and an overview of studies in philanthropy and nonprofit development. Prerequisite(s): admission into the Philanthropy and Nonprofit Development graduate program or consent of instructor. (Variable)

RTNL 6285. Readings — 1-6 hrs.
May be repeated for credit. (Fall, Spring, Summer)

RTNL 6295. Internship — 1-12 hrs.
Practical experience in recreation, tourism and nonprofit leadership with community agencies. May be repeated with consent of student's advisor. Prerequisite(s): consent of graduate committee. (Fall, Spring, Summer)

RTNL 6402. Strategic Program Management — 3 hrs.
Examination of concepts and theories of program management in recreation, tourism and nonprofit leadership, focusing on analysis of specific programming strategies as they relate to community organization theory using a systems approach. (Fall)

RTNL 6404. Marketing the Youth/Human Service Agency — 3 hrs.
Marketing strategies in implementing the exchange relationship between nonprofit organizations and their constituents. (Variable)

RTNL 6406. Fundraising and Grant Seeking for Nonprofit Agencies — 3 hrs.
Comprehensive study of various funding sources and the methodology of nonprofit organizations to secure resources. (Fall)

RTNL 6408. Financial Decision Making for Youth/Human Service Agencies — 3 hrs.
Financial function of the nonprofit agency incorporating technical materials applicable to the decision-making role of the agency. (Variable)

RTNL 6410. Evaluation, Research and Accountability — 3 hrs.
Survey of advanced nonprofit organization research methods. Research in the area selected by student. Preparation and presentation of research proposal or major paper. Prerequisite(s): admission into the Philanthropy and Nonprofit Development graduate program or consent of instructor. (Variable)

RTNL 6412. Management Issues in Recreation, Tourism and Nonprofit Leadership — 3 hrs.
Study of management and administration issues in relation to recreation, tourism and nonprofit leadership agencies. (Variable)

RTNL 6414. Models for Intervention With Youth — 3 hrs.
Develops understanding of the various models of intervention utilized by professionals who work with youth in youth-serving agencies. (Variable)

RTNL 6416. Youth Development in Nonprofit Organizations — 3 hrs.
Examination of concepts and theories of youth development, as related to the design of programs and services for positive role development in nonprofit youth organizations. (Variable)

RTNL 6418. Personnel Management and Supervision in Youth/Human Services — 3 hrs.
Elements, processes, and dynamics of personnel management and supervision as it is applied to youth/human services organizations, with an emphasis on nonprofit agencies. (Variable)

RTNL 6419. Psychology, Law, and Philanthropy — 2 hrs.
Students will learn about the psychology underlying giving including topics such as altruism and persuasion. Legal and ethical issues will be covered as they relate to philanthropy, including regulation/governance, tax law, and standards for professional conduct. Prerequisite(s): admission into the Philanthropy and Nonprofit Development graduate program. (Even Springs)

RTNL 6420. Critical Thinking in Philanthropic and Nonprofit Issues — 2 hrs.
Provides a forum for students to explore the latest trends in giving and nonprofit management as framework for analyzing the trends and issues in the field of philanthropy and nonprofit development is provided. A guide for critical thinking and asking the right questions is outlined giving students the tools to identify, analyze and summarize current trends and issues of the nonprofit sector. Prerequisite(s): admission into the Philanthropy and Nonprofit Development graduate program or consent of instructor. (Variable)

RTNL 6422. Applied Research Methods — 1 hr.
This course is designed to provide a framework for writing a research paper/applied project. Specifically, the literature review is outlined, identifying the purpose, steps, and guidelines important to the process of writing a research paper/identifying implementing a project. Skills including performing literature searches, questionnaire development, data analysis, and interpretations and report writing will be taught. (Variable)

Religion Courses (RELS)

Courses

RELS 1020. Religions of the World — 3 hrs.
Living religions with emphasis on texts, beliefs, tradition, values, and practices. (Fall, Spring, Summer)

RELS 1030. What is Religion? — 3 hrs.
Basic forms and views of religious phenomena, such as encounter, tradition, ritual, community, divine law, meditation, mysticism, response to life-crisis, and personal growth and fulfillment. (Variable)

RELS 1040. The Power of Myth: (Topic) — 3 hrs.
The Power of Myth examines the functions of "myth" in religious texts, beliefs, rituals, institutions, and communities. Drawing upon key methods and approaches in the Study of Religion, this course introduces students to myths and myth-making as a creative, historical-cultural expression found in many religious communities. Specific myths will be examined in this course as well as its relationship to specific cultural contexts and communities. Topic and theme will differ across sections, but will draw from a range of creative works from ancient sacred texts to popular US culture. May be repeated for a maximum of 6 hours on different topics. (Fall and Spring)

RELS 1060. American Religious Diversity — 3 hrs.
American Religious Diversity examines the meanings and functions of religion in the United States by focusing on minoritized and marginalized religious identities, communities, and institutions. Drawing upon methods used in the cultural study of religion, students will gain greater awareness of the rich diversity of religious life in the United States while also learning about historical instances of religious intolerance within US history. (Fall and Spring)

RELS 1510. Religion, Ethics, and Film — 3 hrs.
Introduction to study of religion through critical examination of a variety of contemporary films. Draws on student visual literacy as an approach to the study of religion. (Variable)

RELS 1540. Ethics in Business — 3 hrs.
Application of ethical principles and analytic methods to contemporary issues in business. Topics include moral responsibility of corporations and their regulation; economic policy, business practices, and social justice; rights and obligations of employers and employees; meaningful work, motivation, and the worker; affirmative action and reverse discrimination; and environment and natural limits of capitalism. (Same as PHIL 1540) (Variable)

RELS 2001. Old Testament and Other Hebrew Scriptures — 3 hrs.
Introduction to history and ideas of Old Testament and other Hebrew scriptures. (Fall)

RELS 2002. New Testament and Early Christian Writings — 3 hrs.
Introduction to history and ideas of New Testament and early Christian writings. (Spring)

RELS 2100. Great Living Religions: Hinduism and Buddhism — 3 hrs.
Hinduism, Jainism, Buddhism, Islam. (Even Falls)

RELS 2110. Great Living Religions: Confucianism, Daoism, and Zen — 3 hrs.
Daoism, Confucianism, Buddhism, Shintoism. (Odd Falls)

RELS 2120. Great Living Religions: Judaism and Islam — 3 hrs.
Study of the doctrines and practices of Judaism and Islam in their cultural context with attention to historical development and current situation. (Odd Springs)

RELS 2130. Great Living Religions: Christianity — 3 hrs.
Introductory survey of development, beliefs, practices, and varieties of Christianity. (Even Springs)

RELS 2140. Philosophy of Religion — 3 hrs.
Examination of philosophical discussions on the nature and function of religion and religious language; special attention to how philosophical frameworks and methods shape understanding of religion and talk about God and human fulfillment. (Same as PHIL 2140) (Variable)

RELS 2220. Faith and Reason: Philosophy in the Middle Ages — 3 hrs.
Traces the historical development of philosophical thought on the interrelation of religious faith and reason in Jewish, Christian, and Islamic philosophical traditions. (Same as PHIL 2220) (Even Springs)

RELS 2550. Environmental Ethics — 3 hrs.
Introduction to and application of ethical theory to environmental issues, including responsibility for plants and animals, pollution, natural resources, and population growth. (Same as PHIL 2550) (Variable)

RELS 2570. Good Sex: The Ethics of Human Sexuality — 3 hrs.
This course introduces students to a range of ethical perspectives (religious and non-) on what constitutes good sex, morally speaking. It then brings these perspectives to bear on a number of issues in the realm of sexual ethics including: homosexuality, casual sex, sex for sale, and abortion. [Same as PHIL 2570] (Even Springs)

RELS 2600. Religion and the Public Schools — 3 hrs.
This course is a study of the relationship between religion, law, and public education in the United States. Through this course, students will understand how and why the role of religion in public education has been lived, legislated, and adjudicated in complicated (and sometimes contradictory) ways. This interdisciplinary course draws from studies of education, law, political science, history, and religion. (Even Falls)

RELS 3080/5080. Individual Readings in Religion — 1-3 hrs.
Individually-arranged readings and reports from: (1) biblical studies, (2) history of religions, or (3) contemporary religious thought. Can be repeated for maximum of 6 hours. Prerequisite(s): junior standing; consent of department head. (Fall and Spring)

RELS 3110. Perspectives on Death and Dying — 3 hrs.
Multidisciplinary study of death, dying, and bereavement across cultures, religious and ethnic groups, and historical periods, with attention to ritual and memoir, ethical dilemmas at the end of life, and psychology of mourning. (Same as CAP 3194 and PHIL 3110) (Fall and Spring)

RELS 3120. Myth and Symbol — 3 hrs.
Investigation of meaning and significance of religious myths and symbols, and theories used to study them. (Variable)

RELS 3140. Religion and Its Critics — 3 hrs.
Issues raised by encounter between traditional Christian faith and modern concepts and methods of philosophy, science, history, sociology, and cultural criticism. Examination of positions of both 19th- and 20th-century theologians. (Variable)

RELS 3150. Women and Christianity — 3 hrs.
Examination of history and function of gender in symbolization of Christian tradition; exploration of institutionalization of sex roles in Christianity; discussion of interaction between the Christian religion and cultural patterns that define the social role, status, and image of women. Interested students are encouraged to contact the instructor. (Variable)

RELS 3157. Monsters, Vampires, and Religion: An Awesome Alliance — 3 hrs.
As they read Religion and its Monsters by Timothy Beal and Frankenstein by Mary Shelley, students enhance their knowledge of the role monsters play in religion and develop proficiency in recognizing and analyzing religious undercurrents in our contemporary fascination with monsters. Students draw on skills/interests from their majors to complete a project about monsters in a contemporary novel. Prerequisite(s): junior standing. [Same as CAP 3157] (Summer)

RELS 3160. Religion and Society — 3 hrs.
Religious institutions and their social context; key issues located at the intersection of religion and society (e.g., violence), and social function of religion. (Variable)

RELS 3180. Religion and Politics: (Topics) — 3 hrs.
In this course, students will examine the relationship between religion and politics. Students will familiarize themselves with the ways religion shapes several aspects of political life, such as elections, public activism, policy-making, civil service, and civic discourse. Focusing on interactions within and among religious traditions, students will develop their knowledge of critical thinking methods in Religious Studies by analyzing the role of religion in political participation and political structures. Special emphasis will be given to understanding contemporary issues, rotating international and domestic topics each time it is offered. May be repeated for up to 6 hours. (Odd Falls)

RELS 3200. Religion and Law — 3 hrs.
Americans have long argued about the proper role of religion in public life: can the Bible be taught in schools? What about contemporary flashpoints like abortion and same-sex marriage? Why do religious groups receive special privileges and exemptions under American law? As a class, we will consider how religious groups work alongside and against U.S. law and how, in turn, American law engages, encourages, and restricts religious practice in America. Challenges and debates in American religion and law have reflected the changing nature of the people who make up the United States. We will explore these questions through examining how religion and law affects American politics, education, and the marketplace. (Even Springs)

RELS 3400. Religion and Race — 3 hrs.
This course is a study of the relationship between religion and race in the modern era. Through this course, students will understand how and why ideas about "race" have been invented and maintained, as well as how these ideas have themselves been co-constituted alongside longstanding religious ideas and practices. Particular attention will be paid to the way in which governments mark religious and racial differences through legislation and policing. This course argues that the study of religion is crucial to understanding how race intersects with law, government, gender, and history. (Odd Springs)

RELS 3500. Religion and Ethics — 3 hrs.
Examination of key issues having to do with religion and ethics, including the moral function of religion, religious pluralism, war and

peace, freedom and responsibility, religion and politics, religion and gender, and social justice. (Variable)

RELS 3510. Bio-Medical Ethics — 3 hrs.
Application of principles and analytic methods of ethical theory to contemporary issues in medical practice and research. Topics include fundamental concepts of health and disease, life and death; rights and obligations of medical practitioners and their patients; informed consent and confidentiality; abortion and euthanasia; reproductive and transplantation technologies; and health policy and the provision and rationing of health care. (Same as CAP 3173 and PHIL 3510) (Fall and Spring)

RELS 4186/5186. Studies in Religion — 3 hrs.
Topics listed in Schedule of Classes. Prerequisite(s): junior standing. (Fall and Spring)

RELS 4230/5230. Religion in America — 3 hrs.
Investigation of religious movements and beliefs from colonial times to present, with attention to religion and the U.S. Constitution. Prerequisite(s): junior standing. (Same as HIST 4250/5250) (Odd Springs)

RELS 4490. Professional Development Seminar — 3 hrs.
Through reflection, integration, and professional discernment, majors in the study of religion will bring their work in the major to critical integration, clarifying what they have done and linking their achievements with life goals. Prerequisite(s): junior standing or consent of the instructor. (Even Falls)

RELS 4600. Internship in Religion — 1-3 hrs.
Experiential learning combined with skills and knowledge learned in the Study of Religion major. Prerequisite(s): 12 hours in RELS courses; junior standing. (Fall and Spring)

School Library Studies Courses (SLS)

Courses

SLS 4114/5114. Introduction to the School Library Program — 3 hrs.
Survey of school librarianship, functions of the school library, national and state professional guidelines and standards, ethical and legal issues; includes a field experience collection management project in a selected school library. Must be taken in the first semester. Prerequisite(s): junior standing; consent of instructor. (Variable)

SLS 4115/5115. Organization of Information — 3 hrs.
Application of standards of descriptive cataloging and MARC record for automated systems. Application of Dewey Decimal Classification and standard subject headings for school library catalogs. Administration of library automation systems for management of collections. Introduction of tagging and other web-based methods for organization of information and information sources. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): SLS 4114/5114/5114 (350:114) or consent of program coordinator. (Variable)

SLS 4132/5132. Library Resources for Children — 3 hrs.
Collection development process related to resources of elementary school libraries, with a focus on strategies for supporting students' reading motivation and reading comprehension. Roles of the teacher librarian as both information specialist and teacher. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): SLS 4114/5114 or consent of instructor. (Variable)

SLS 4134/5134. Library Resources for Young Adults — 3 hrs.
Collection development process related to resources of secondary school libraries, with a focus on the roles of the teacher librarian as both information specialist and teacher. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): SLS 4114/5114 or consent of instructor. (Variable)

SLS 6223. School Library Curriculum Development — 3 hrs.
Collaborative role of the school teacher librarian in curriculum design. Study of curriculum frameworks and the curriculum integration of information process models, PK-12, with an emphasis on inquiry-based learning. Prerequisite(s): SLS 4114/5114. Prerequisite(s) or corequisite(s): SLS 4132/5132 or SLS 4134/5134 or SLS 6250. (Variable)

SLS 6225. Leadership in the School Library Program — 3 hrs.
Administrative and leadership role of the school teacher librarian, including organizational strategies, planning, and policy development. Prerequisite(s): SLS 4114/5114. (Variable)

SLS 6230. Technologies for Libraries — 3 hrs.
Emphasis on technologies for school libraries, including design specific to school library websites (Librarian as program administrator), web-based tools for teaching the inquiry processes (Librarian as teacher) and tools for organizing information for efficient user access (Librarian as information specialist). Prerequisite(s) or corequisite(s): SLS 4115/5115/5115 (350:115). (Variable)

SLS 6250. Information Resources for Inquiry Learning — 3 hrs.
Collection management for print and digital reference sources and information systems for youth. Question-negotiation, search strategies, critical evaluation, and information use in the context of inquiry based learning. Prerequisite(s): SLS 4115/5115. (Variable)

SLS 6289. Seminar — 2-3 hrs.
Critical assessment of the elements of school library services such as Inquiry Learning at the building and system levels. May be repeated up to six hours with permission of the Division. Prerequisite(s): SLS 6223; SLS 6250. (Variable)

SLS 6290. Practicum — 3 hrs.
Experience in the function of elementary and secondary school libraries. Principles of effective collaborative teaching and inquiry based learning. May be repeated up to six hours with permission of the Division. Prerequisite(s): SLS 4114/5114; SLS 6223; or written consent of instructor. (Variable)

SLS 6295. Research in Library and Information Science — 3 hrs.
Survey of basic research methodologies and critical evaluation of school library research studies. The use of the research process to develop a draft proposal for a research study, or project. Prerequisite(s) or corequisite(s): SLS 6250. (Variable)

SLS 6299. Research.
Focus on the process of completing the research study, project, or thesis. Must be taken during the semester when the study is completed and may be repeated. Student must enroll in at least 1 credit hour during the semester the study is completed. Prerequisite(s): SLS 6295; consent of department. (Variable)

Science Education Courses (SCI ED)

Courses

SCI ED 1100. Inquiry into Earth and Space Science — 4 hrs.
An inquiry-oriented introduction to fundamental concepts and processes in meteorology, astronomy, and geology using active investigation. Integrated lecture and lab for 5 periods. Priority registration for Elementary and Early Childhood majors. (Fall and Spring)

SCI ED 1200. Inquiry into Life Science — 4 hrs.
An inquiry-oriented introduction to fundamental concepts and processes in life science that includes ecology, evolution, cell biology, and human body systems. Integrated lecture and lab for 5 periods. Priority registration for Elementary and Early Childhood Education majors. (Fall and Spring)

SCI ED 1300. Inquiry into Physical Science — 4 hrs.
An inquiry-oriented introduction to fundamental concepts and processes in physics and chemistry that includes energy, force and motion, waves, sound, light, and nature of matter. Integrated lecture and lab for 5 periods. Priority registration for Elementary and Early Childhood Education majors. (Fall and Spring)

SCI ED 2300. Investigations in Physical Science — 4 hrs.
Introduction to significant physical science concepts and models of effective teaching related to elementary school physical science. Continuation of concepts and processes in physics and chemistry that include electricity, magnetism, light, sound, solutions, acids and bases, changes in matter, and chemical bonding. Prerequisite(s): SCI ED 1300. (Even Springs)

SCI ED 3300/5300. Orientation to Science Teaching — 4 hrs.
Introduction to inquiry science teaching including instructional planning and strategies, assessment, and classroom management. Highlights issues and trends in science teaching. Discussion, 4 periods. Prerequisite(s): TEACHING 3128; a major or minor in a science area; junior standing. (Spring)

SCI ED 3500/5500. Techniques for Science Teachers — 1-3 hrs.
Topics selected to assist science teachers in improving their teaching. These may include teaching or assessment strategies, laboratory techniques, specific science concepts, or examples of new curricula. Topic listed in Schedule of Classes. Application to major requires advisor approval. May be repeated up to 7 hours. Prerequisite(s): junior standing; consent of instructor. (Variable)

SCI ED 4198. Independent Study.
(Variable)

SCI ED 4800/5800. Methods for Teaching Secondary Science or MTSS — 3 hrs.
Teaching approaches, instructional and assessment strategies, curricular and laboratory materials, national state science education standards, and issues in secondary science. Field experiences in secondary school science classrooms. Discussion, 3 periods. Prerequisite(s): SCI ED 3300/5300; junior standing. (Fall)

SCI ED 6299. Research.
Prerequisite(s): consent of department. (Fall, Spring, Summer)

SCI ED 6400. Special Problems in Science Education — 1-3 hrs.
Problems selected according to needs of students. May be repeated for maximum of 6 credit hours. (Variable)

SCI ED 6500. Research Methods in Science Education — 4 hrs.
Introduction to qualitative, quantitative, and mixed methods research used in science education. Emphasis on and critical analysis of primary literature. Application of literature review, research design, data analysis and writing styles to graduate projects. (Even Springs)

SCI ED 6600. Developing Science Curricula — 2 hrs.
Analysis and design of science curricula with attention to K-12 national and state initiatives and standards. Seminar format, 2 hours/week. (Even Falls)

SCI ED 6700. The History, Philosophy, and Nature of Science — 3 hrs.
Examination of the nature of science, major philosophical and historical developments of science, and their implications to the science classroom. Seminar format, 3 hours/week. (Odd Summers)

SCI ED 6800. Teaching-Learning Models in Science Education — 2 hrs.
Study of learning theories from behaviorism to constructivism and how these theories are translated into science teaching practice through various teaching models. Seminar format, 2 hours/week. (Odd Falls)

SCI ED 6900. Trends and Issues in Science Education — 3 hrs.
Major trends and issues in science education, focusing primarily from the 1950s to the present. Seminar format, 3 hours/week. (Even Summers)

Social Foundations Courses (SOCFOUND)

Courses

SOCFOUND 2015. Perspectives on Education — 3 hrs.
This course explores foundational topics in education from a variety of interdisciplinary perspectives at an introductory level. A major goal of the course is to help students deepen their understanding of and appreciation for education as a fundamental human endeavor that includes, but ultimately transcends formal schooling. (Variable)

SOCFOUND 2274. Democracy and Education in the 21st Century — 3 hrs.
This course will explore the complex relationship between education and democracy. This will involve drawing on concepts and theories from the social foundations of education (history, philosophy, and sociology of education) in order to apply interpretive, normative, and critical perspectives on democracy and education, their historical and contemporary relationship, and the possibilities for future entanglements. (Fall and Spring)

SOCFOUND 3119. Schools and American Society — 3 hrs.
This course analyzes the history, sociology, political economy, and philosophical foundations of K-12 education. Its focus is on the societal issues that impact student learning and classroom practice and the political processes that impact public education and the teaching profession. It is designed to cultivate critical thinking about themes pertaining to public schooling through an interdisciplinary lens. Prerequisite(s): junior standing. (Fall, Spring, Summer)

SOCFOUND 3219. Critical Perspectives on Technology and Education — 3 hrs.
We live in an increasingly digitally connected, globalized society. As such, "educational technology" has become a common feature of the American school system, both in P-12 schools and higher education. Drawing on the interdisciplinary field of Social Foundations of

Education, this course critically analyzes the role of educational technology in a digital world. (Variable)

SOCFOUND 3319. Education and the Value Gap — 3 hrs.
This course examines education as a practice of world-making that involves ways of configuring politics, communities, cultures, economies, and subjective figures. It provides students with a historical foundation to understand how education has been associated with projects of world-making (settler colonial, capitalist, white supremacist, heteropatriarchal, and ableist) that assume some lives to be more valuable than others. Drawing on theoretical tools to understand the projects of world-making inherent in the very concept and practice of education, students will examine the continuity of world-making projects from the 1530s to our present moment in order to consider the structures and processes that constitute a political economy of life in contemporary schools. The course utilizes a multi-disciplinary approach to study the emergence, rationale, and operations of world-making inherent in education. (Variable)

SOCFOUND 3419. Special Topics in Cultural Studies of Education — 3 hrs.
This course employs the interdisciplinary lens of cultural studies to explore specific topics in such fields as popular culture, political economy, social identities, or globalization as educational issues and problems. The course will work to build contexts around specific topics, connect them to the practices of teaching and schooling, and encourage students to make connections to their own educational experiences. (Variable)

SOCFOUND 4134/5134. History of Education — 3 hrs.
This course explores the historical development of the American public education system. Emphasis is placed on the shifting societal and political aims of public education over time; their relationship to broader shifts in American society and politics; and the controversial issues and social movements that have driven educational change. Prerequisite(s): junior standing. (Variable)

SOCFOUND 4234/5234. Philosophy of Education — 3 hrs.
This course will survey various approaches and theories of educational philosophy. This will entail questioning common sense assumptions about education, schooling, knowledge, teaching and learning. Through a careful reading of foundational and contemporary texts, students will consider a number of critical issues related to education broadly and the establishment of schooling more specifically Prerequisite(s): junior standing. (Variable)

SOCFOUND 6299. Research.
Prerequisite(s): consent of department. (Variable)

Social Science Courses (SOC SCI)

Courses

SOC SCI 1020. Women, Men, and Society — 3 hrs.
Examination of key issues of gender. Attention to variety of topics including ethical issues and gender roles, gender-role stereotyping, male and female roles, sexuality, gender roles in non-western and minority cultures, and gender roles in United States institutions (e.g., in the nuclear family, religion, and the work place). (Fall and Spring)

SOC SCI 1041. Social Welfare: A World View — 3 hrs.
Comparative study of social welfare (social insurance, public welfare, charity and philanthropy, social services, and mutual aid) in the United States, and selected nations from five regions of the world as defined by the International Congress of Schools of Social Work (African, Asian, European, Latin American, and North American regions). (Fall and Spring)

SOC SCI 1045. American Racial and Ethnic Minorities — 3 hrs.
This course will be a survey of cultural American minorities, with attention to minority groups in Iowa. It will involve a multi-disciplinary approach with particular emphasis on geographic origins, linguistic traditions and current modes of economic subsistence. Introduction to folkways and mores of each group will be covered. (Fall and Spring)

SOC SCI 2020. Social Sciences Statistics — 3 hrs.
This course provides an introduction to a variety of statistical methods used in quantitative data analysis particularly in the social sciences. These statistical methods are used in quantitative data analysis, levels of measurement, frequency distribution, graphic representations, measures of average and dispersion, cross-tabulations and measures of association, probability and hypothesis testing, bivariate analyses, statistical inference using single and multiple samples and analysis of variance. General topics include research methodologies and statistical tests, including measures of central tendency and variability, Z-scores, Hypothesis testing, T-tests, ANOVA, Chi-square, correlation, Bivariate regression and Confidence intervals. (Fall and Spring)

SOC SCI 6297. Practicum.
(Variable)

SOC SCI 6299. Research.
Prerequisite(s): consent of department. (Variable)

Social Science Education Courses (SOCSCIED)

Courses

SOCSCIED 2190. Introduction to Teaching Social Studies — 1 hr.
Acquaints students with basic secondary social studies instructional methods. Introduces fundamentals of lesson planning, including using standards, benchmarks, and curricula as well as varied active learning and classroom management strategies. Students prepare for seeking employment by beginning to write teaching philosophies and building professional portfolios. Prerequisite(s) or corequisite(s): sophomore standing; consent of Social Science Education Coordinator. (Fall and Spring)

SOCSCIED 4190. Methods of Teaching Social Studies — 3 hrs.
Basic teaching methods class designed for future social studies teachers to understand effective instructional techniques and strategies. Emphasis will be placed on lesson plan development, effective instruction, and perspectives of teaching in changing environments. Examination and evaluation of current curricular materials, curriculum development, and appropriate assessment strategies. Ordinarily taken the semester immediately preceding student teaching. Prerequisite(s): SOCSCIED 2190; consent of instructor. (Fall and Spring)

Social Work Courses (SW)

Courses

SW 1001. Introduction to Social Work and Social Services — 3 hrs.
This course will introduce prospective social work majors to the field of social work, its history, values, and populations that are served. Students will become familiarized with the various roles, functions,

and tasks that generalist social workers perform. Presentations by social work professionals in different fields of practice will supplement classroom lecture, discussion and small group exercises. As part of the course assignments, students will engage in a service learning opportunity. Students are required to volunteer in a social service setting for a minimum of 30 hours throughout the semester. The activity serves as a microcosm into the social work profession; gaining insight into agency/program function with opportunity for direct client interaction. Social Work majors must receive a minimum of a C in this course. (Fall and Spring)

SW 1041. Global Social Work — 3 hrs.
This course orients students to conceptual practice issues regarding social welfare within a global context and across a range of global social issues. Students will use global contextual frameworks to examine the dimensions of social problems (e.g. racial/ethnic discrimination, access to education, poverty, health care, child-well-being, food security, violence, cultural conflicts, colonization, urbanization and modernization, effects of climate change, etc.) in the United States and other countries. Students will utilize these frameworks to assess intervention methods at a variety of practice levels (e.g. working with individuals, families, groups, communities, policies) being used to address social problems in different countries. The course prepares students to use professional knowledge, values, and skills in practice in interdisciplinary collaboration with international populations and communities, whether in work with immigrant/refugee individuals, families, groups and populations in the United States, with international social welfare organizations, or on-site work in other countries. (Fall and Spring)

SW 2045. American Racial and Minoritized Populations — 3 hrs.
Exploration of the construction and function of "race" and "ethnicity" from a historical, political, and socioeconomic perspective focusing on the United States experiment. Students are engaged in a variety of learning experiences both online and in the classroom involving large and small groups. (Fall and Spring)

SW 2091. Practice with Individuals — 3 hrs.
This course is one of three in the social work practice sequence. It provides students with beginning level knowledge, skills, and values for generalist social work practice with individuals. Students are exposed to diversity and difference in practice as they learn how to engage, assess, plan, prepare, implement, evaluate, and terminate. Professionalism is fundamental to this course and is guided by the Social Work Code of Ethics. Social Work majors must receive a minimum of a C in this course. Prerequisite(s) or corequisite(s): SW 1001; or consent of instructor. (Fall and Spring)

SW 3143. Self-Care and Stress Management in Helping Professions — 3 hrs.
This course examines the consequences of trauma experiences, toxic stress for individuals, groups and communities. The course explores traumatic events, toxic stress impact on an individual's physical and mental health and patterned behavior. The course discusses the prevention and intervention of toxic stress and trauma. Last, this course explores individual strategies of self-care and stress management. (Variable)

SW 3175. Child Welfare Policy and Practice — 3 hrs.
Review of development of family and children's services and practice, focusing on current services, programs, and social work practice issues. Examination of policies and legislation, emphasizing how such policies affect family functioning and the delivery of services. (Variable)

SW 3185. Social Work Research — 3 hrs.
Application of research to social work practice including formulation of research questions and hypotheses, strategies of research design, measurement and methods of collecting data, questionnaire construction, data presentation, and report writing. Social Work majors must receive a minimum of a C in this course. Prerequisite(s): SOC SCI 2020 or STAT 1772; junior standing. (Fall and Spring)

SW 3189. Readings in Social Work — 1-3 hrs.
May be repeated only with consent of department. Prerequisite(s): 6 hours in social work; consent of department. (Fall and Spring)

SW 3192. Practice with Groups and Families — 3 hrs.
This is the second of a three-course sequence on generalist social work practice. The course focuses on practice at the Mezzo level with an emphasis on solution focused group work. Social Work majors must receive a minimum of a C in this course. Prerequisite(s): declared Social Work major; PSYCH 1001; SW 2091; minimum Cumulative GPA of 2.50. (Fall and Spring)

SW 4121. Social Work in Mental Health Settings — 3 hrs.
A history of mental health institutions, including deinstitutionalization, is covered in this course. Changing perceptions of mental illness and how those views determine the interventions we use is discussed. (Variable)

SW 4144. Social Policies and Issues — 3 hrs.
Policy development and the consequences of policy for social welfare institutions. Frameworks for policy analysis. Planning, program design, and policy decisions for administration of social services. Social Work majors must receive a minimum of a C in this course. Prerequisite(s): SW 1001; senior standing. (Fall and Spring)

SW 4163. Diversity and Difference — 3 hrs.
Study of interpersonal and social relations of minority groups within the larger American society. Social Work majors must receive a minimum of a C in this course. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Fall and Spring)

SW 4164. Human Behavior and the Social Environment — 3 hrs.
Integrates multiple sources of knowledge in the analysis of models of human behavior from a person-environment perspective; attention is paid to structural components in oppression and the importance of difference in shaping life experiences. Social Work majors must receive a minimum of a C in this course. Prerequisite(s): a course in biology (BIOL 1014 preferred). (Fall and Spring)

SW 4171/5171. Addictions Treatment — 3 hrs.
Social, legal, political, psychological, biological, spiritual, and ethical factors related to the use and abuse of alcohol and other drugs, eating disorders, and behavioral additions such as shopping and gambling. Various intervention models with an emphasis on harm reduction, stages of change, and a strengths perspective. The role of a professional social work in the field of addictions treatment, application of social work ethical principles to guide professional practice, and response to contexts that shape practice. Prerequisite(s): junior standing. (Variable)

SW 4173/5173. Social Services for Older Adults — 3 hrs.
This course will provide an introduction to the various programs and services designed to serve older Americans. Related literature on population demographics and trends, social perceptions of the elderly, and current and projected needs of an increasingly older population will be discussed. Examination of the legislative bases and policies formulated to create administrative structures and programs will be included. Prerequisite(s): junior standing. (Variable)

SW 4193. Models of Social Work Practice — 3 hrs.
Survey of practice approaches with individuals, examination of integrative approaches to practice (common factors, and technical, theoretical, and assimilative integration); and, analysis of the advantages and limitations of using empirically supported treatments. Prerequisite(s): junior standing. (Variable)

SW 4194/5194. Seminar in Social Work — 3 hrs.
In-depth exploration of an advanced topic in social work practice or social welfare policy. May be repeated on different topics. Prerequisite(s): junior standing. (Variable)

SW 4196. Practice with Communities and Organizations — 3 hrs.
This course is designed for students to develop a knowledge base and practice skills fundamental to effect social change within communities and organizations. Students will learn methods of assessing macro systems as well as developing, implementing, and evaluating appropriate intervention strategies to advance human rights and socio-economic and political justice for the society as a whole, especially, for populations at risk. Social Work majors must receive a minimum of a C in this course. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): SW 3192. (Fall and Spring)

SW 4200. Field Instruction — 11-15 hrs.
Field instruction provides a learning experience in a community setting where the student has the opportunity to integrate classroom learning into practice, to develop skills in interpersonal relationships and intervention techniques, and to participate in the role of social worker. The minimum required clock hours are 440 and the class is credit/no credit. Credits are limited to 11-12 for Summer semester field experience. Prerequisite(s): SW 1001; SW 2091; SW 3185; SW 3192; SW 4164; Declared Social Work major; minimum UNI and Cumulative GPA of 2.50; senior standing. (Fall, Spring, Summer)

SW 4240. Field Supplement — 1-8 hrs.
A field instruction supplement course that provides a learning experience in a community setting where the student has the opportunity to integrate classroom learning into practice, to develop skills in interpersonal relationships and intervention techniques, and to participate in the role of social worker. A range of 1-8 credits or 40 to 320 hours are required. Prerequisite(s): SW 1001; SW 4164; SW 3185; SW 2091 and SW 3192 with a minimum grade of C in each course; Social Work major; minimum UNI and Cumulative GPA of 2.50; senior standing; accepted into the UNI Social Work program as a Study Abroad student; or consent of instructor. (Fall, Spring, Summer)

SW 6010. Principles and Strategies for Self-Care, Health, and Well-Being — 3 hrs.
This course examines the consequences of trauma experiences, toxic stress for individuals, groups and communities. The course explores traumatic events, toxic stress impact on individual's physical and mental health and patterned behavior. The course also discusses the prevention and intervention of toxic stress and trauma. Last, this course explores individual strategies of self-care and stress management. (Fall, Spring, Summer)

SW 6011. Introduction to Play Therapy — 3 hrs.
This course provides knowledge and skill competencies to facilitate play therapy as a therapeutic intervention for children and families. This course provides students with the philosophical basis for play therapy, including a review of the history of play therapy, how to develop a relationship with a child through an Adlerian theoretical framework, and an introduction to various theoretical applications and play therapy best practices. Students will become familiar with play therapy micro-skills, the purpose and application goals of play therapy, therapeutic stages and themes, ethical issues, cross cultural/diversity implications, basic developmental and neurological implications, treatment planning in play therapy including development of treatment goals and assessment of treatment progress and applications to a variety of populations and therapeutic contexts. (Variable)

SW 6212. Human Behavior and the Social Environment Micro — 3 hrs.
Overview of systemic factors that shape behavior across the life span of the individual with particular attention to diversity and oppressed populations. Examination of person-environment interactions as they relate to generalist social work. Prerequisite(s): admission to graduate program in Social Work or written consent of instructor. (Fall)

SW 6213. Post-Traumatic Growth Across Cultures — 3 hrs.
Emphasis on macro systems - groups, organizations, communities, and societal and global influences - through investigation of various cultural responses to macro-level traumatic events, including war, genocide and natural disasters. Exploration of strengths and resiliency perspectives for coping strategies and creative post-traumatic growth, including the transformative and healing role of the arts, spirituality, advocacy, and conflict resolution. Prerequisite(s): completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Variable)

SW 6214. Social Work Practice I — 3 hrs.
Introduces foundation core of the generalist social work practice approach. Students learn about diversity and difference in practice as they apply skills in engaging, assessing, planning, preparing, implementing, evaluating and terminating. Professionalism is fundamental to this course and is guided by the Social Work Code of Ethics. Prerequisite(s): admission to graduate program in Social Work or written consent of instructor. (Fall)

SW 6215. Social Work Practice II — 3 hrs.
Building on SW 6214, students develop mezzo-system knowledge and practice skills in utilizing the strengths perspective and applying solution-focused interventions for working with small groups and families. Prerequisite(s): SW 6214. (Spring)

SW 6216. Social Work Practice with Organizations and Communities — 3 hrs.
Students develop a knowledge base and practice skills fundamental to effect social change within communities and organizations. Students master macro system assessment approaches, then identify and practice methods for developing, implementing, and evaluating intervention strategies to advance human rights as well as socio-economic and political justice. Prerequisite(s): Admission to graduate program in Social Work or consent of instructor. (Fall)

SW 6218. Introduction to Social Work Research — 3 hrs.
Students will: 1) review the literature on a topic of their choice, 2) identify and compare the different social work research methods, both qualitative and quantitative, 3) design an evaluation proposal, including formative, process, outcome and impact components, and 4) select a research design for the evaluation, which includes a methodology appropriate to meet the goals of the evaluation, and including data collection and analysis. Students will demonstrate the ability to use critical thinking skills in both their review of the literature and evaluation proposal. Prerequisite(s): Admission to graduate program in Social Work or written consent of instructor and completion of a college level course in statistical methods. (Spring and Summer)

SW 6220. Foundation Practicum — 4 hrs.
Field instruction provides a learning experience in a community setting where the student has the opportunity to integrate classroom

learning into practice, to develop skills in interpersonal relationships and intervention techniques, and to participate in the role of social worker. The minimum required clock hours are 400 and the course is credit/no credit. Students need a minimum of a 3.0 GPA after their first semester to be cleared for field. Prerequisite(s): Admission to graduate program in Social Work or written consent of instructor; SW 6212; SW 6214; SW 6216; SW 6278. (Spring)

SW 6221. Foundation Practicum Seminar — 4 hrs.
The Foundation Practicum Seminar accompanies SW 6220 Foundation Practicum as it includes a minimum of 12 hours of seminar content integrating and applying knowledge acquired throughout the MSW foundation curriculum to their field practicum. Seminars scheduled throughout the semester provide opportunities to critically reflect upon placement experiences, and to link these experiences with concepts from class and related readings. This graded portion of the field practicum requires, but is not limited to, participation in the field seminars, submission of summaries of learning and completing an agency report. (Spring)

SW 6222. Foundation Practicum I — 2 hrs.
Field instruction provides a learning experience in a community setting where the student has the opportunity to integrate classroom learning into practice, to develop skills in interpersonal relationships and intervention techniques, and to participate in the role of social worker. The minimum required clock hours are 200 and the course is credit/no credit. Students need a minimum of a 3.0 GPA to be cleared for field. Prerequisite(s): admission to graduate program in Social Work or written consent of instructor; SW 6212; SW 6214; SW 6216; SW 6278. (Variable)

SW 6223. Foundation Practicum Seminar I — 2 hrs.
The Foundation Practicum Seminar accompanies SW 6222 Foundation Practicum I as it includes a minimum of 6 hours of seminar content and activities integrating and applying knowledge acquired throughout the MSW foundation curriculum to their field practicum. Seminars scheduled throughout the semester provide opportunities to critically reflect upon placement experiences, and to link these experiences with concepts from class and related readings. This graded portion of the field practicum requires, but is not limited to, participation in the field seminars, submission of summaries of learning and completing an agency report. (Variable)

SW 6224. Foundation Practicum II — 2 hrs.
Field instruction provides a learning experience in a community setting where the student has the opportunity to integrate classroom learning into practice, to develop skills in interpersonal relationships and intervention techniques, and to participate in the role of social worker. The minimum required clock hours are 200 and the course is credit/no credit. Students need a minimum of a 3.0 GPA to be cleared for field. Prerequisite(s): SW 6215; SW 6222; SW 6223. (Variable)

SW 6225. Foundation Practicum Seminar II — 2 hrs.
The Foundation Practicum Seminar accompanies SW 6224 Foundation Practicum II as it includes a minimum of 6 hours of seminar content and activities integrating and applying knowledge acquired throughout the MSW foundation curriculum to their field practicum. Seminars scheduled throughout the semester provide opportunities to critically reflect upon placement experiences, and to link these experiences with concepts from class and related readings. This graded portion of the field practicum requires, but is not limited to, participation in the field seminars and submission of summaries of learning. (Variable)

SW 6230. Injustice and Oppression — 3 hrs.
Examination of the psychological, social, and economic genesis of the conditions, dynamics, and consequences of social and economic injustice. Social work commitment of advocacy in addressing social and economic injustice and institutionalized oppression. Prerequisite(s): admission to graduate program in Social Work or consent of instructor. (Variable)

SW 6234. Primary and Secondary Trauma — 3 hrs.
This course serves as an introduction to understanding the key concepts of trauma informed systems of care in generalist social work practice. Students will learn to identify and understand the various types of trauma along with the behaviors and responses seen in survivors of trauma, diagnosis of Post-Traumatic Stress Disorder and other trauma reactions, basic neurological and biological effects of trauma, and the relationships between trauma and other mental health disorders. An overview of the central principles and key concepts of trauma informed care along with examples will also be provided, including a review of the concept of secondary (or vicarious) trauma affecting caregivers and professionals. This will involve knowledge and skills related to self-exploration and awareness and self-care. Prerequisite(s): Completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Summer)

SW 6235. Systems Redesign and Community Collaboration — 3 hrs.
The purpose of this course is to increase knowledge and skills that students will need as employees, change agents, or consultants of organizations. Students are provided opportunities to increase their knowledge of organizational change to reduce secondary trauma to clients and collaboration between agencies to become more user-friendly to clients with multiple issues. In addition, students learn about their behavior and the behavior of others in the organizational setting and how that may influence clients, staff, and administration, especially those with traumatic histories. Interventions that promote safety and reduce vulnerability of clients and staff are explored and skills to effectively communicate with interdisciplinary teams are reviewed. Agency policies and procedures and advocacy strategies are examined with the goal of reducing secondary trauma. Prerequisite(s): Completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Summer)

SW 6236. Diversity & Human Rights — 3 hrs.
This course focuses on issues of diversity, oppression and human rights. It is designed to prepare social work students to be knowledgeable of people's biases based on race, ethnicity, culture, religion, age, sex, sexual orientation, gender identity and expression, social and economic status, political ideology, disability and how these contribute to stigma, discrimination and oppression. Students will also learn about the influence of dominant culture on these diverse and marginalized groups. (Variable)

SW 6244. Advanced Social Work Practice with Families — 3 hrs.
Development of advanced social work practice skills, techniques, and interventions with families, building on the core foundation of generalist social work practice. Special attention is given to culturally-diverse and rural families using a trauma informed approach to practice. Prerequisite(s): completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Fall and Spring)

SW 6246. Trauma Informed Practice I — 3 hrs.
Trauma Informed Practice I is the preliminary course in the practice sequence at the specialty level of the Trauma Informed Care Concentration. The practice sequence has three interrelated foci: Violence and Trauma; Mental Health and Recovery; and

Health and Wellbeing. This provides a multi-level social work perspective based on best practices and theory that promote healthy individual development as well as environments that support human development. Practice I introduces the sequential model of trauma treatment and recovery, specifically focusing on the first phase regaining a sense of safety, non-toxic self-regulation and self-smoothing and transitioning into the second phase, starting active work upon the trauma. The language of trauma is interpreted as an adaptational coping response to violence. The student becomes an interpreter of the language of what maladaptive behavior is trying to tell us, and how a more humanistic use of biological-psychological-social-cultural/spiritual interventions is synchronous with social work ethics and values. Specific methodologies practiced may include Motivational Interviewing, Seeking Safety, Mindfulness, Creating Sanctuary and Trauma-Focused Cognitive Behavioral Therapy using both individual and group modalities. Prerequisite(s): Completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Fall)

SW 6247. Trauma Informed Practice II — 3 hrs.
Trauma Informed Practice II builds on Trauma Informed Practice I and continues coverage of the three interrelated foci: Violence Trauma; Mental Health and Recovery; Health and Wellbeing. Practice II expands the sequential model of trauma treatment and recovery, specifically focusing on the second phase, active work upon the trauma through the development of the trauma narrative and addressing the resulting grief and loss by employing any of a range of psychological techniques, as well as the final stage of fostering integration, an advance to a new post-traumatic life, possibly broadened by the experience of surviving the trauma and all it involved. Strong emphasis is placed on healthy professional development through self-awareness, self-reflection and self-care, including being attuned to the signs and symptoms of secondary traumatic stress and compassion fatigue and developing self-care strategies, techniques and supports. Practice entails further refine of methodologies introduced in Practice I as well as dialectal behavior therapy and collaborative practice strategies with schools, foster families, courts, health, behavioral health and social service agencies as a framework for multi-level practice incorporating individual and group modalities. Prerequisite(s): Completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Spring)

SW 6248. Advocacy & Social Justice — 3 hrs.
This course introduces students to the knowledge, skills, and values needed to affect policy in the legislative and administrative arenas. The course explores the role of social workers in policy advocacy and electoral politics through gaining skills in coalition building, organizing, lobbying and testifying and developing strategies for social justice. (Variable)

SW 6249. DSM: Balancing Strengths and Differential Diagnosis — 3 hrs.
The purpose of this course is to introduce students to prevalent psychiatric disorders using the DSM. Understanding the DSM categories, along with the combination of bio-psycho-social causes for the diagnostic labels, is a vital part of treatment planning and, ultimately, providing effective services. (Fall and Spring)

SW 6262. Program Planning and Design — 3 hrs.
Development of skills to strategically plan, assess and design programs and services in human service organizations. Trauma-informed theoretical contributions, strategic planning, collaboration, systemic assessment, financial literacy, program design and monitoring. Prerequisite(s): completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Variable)

SW 6263. Grant Writing, Fund Raising, Contracting, and Marketing — 3 hrs.
Securing funding for human service agencies and programs. Grant writing to private foundations and public agencies, fund-raising from individuals and corporations, planning and implementing comprehensive fund-raising programs, and developing service contracts. Prerequisite(s): completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Fall and Spring)

SW 6265. Advanced Social Work Research — 3 hrs.
This course is designed to build on Introduction to Social Work Research (SW 6218). Students apply concepts they learn in this class using real-world examples from their field experiences. Prerequisite(s): Completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Fall)

SW 6266. Advanced Practicum — 8 hrs.
Field practicum for second year M.S.W. students. 500 clock hours required. Practicum established by arrangement with Department of Social Work Field Director. Offered on credit/no credit basis only. Prerequisite(s): Completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Spring and Summer)

SW 6267. Advanced Practicum Seminar — 2 hrs.
This seminar complements SW 6266 Trauma Informed Practice Practicum. This is a graded portion of field practicum. (Spring and Summer)

SW 6268. Advanced Practicum I — 3 hrs.
Fall semester practicum for second year M.S.W. students. 250 clock hours required; concurrent with classes. Practicum established by arrangement with Department of Social Work Field Director. Offered on credit/no credit basis only. Prerequisite(s): completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Fall)

SW 6269. Advanced Practicum Seminar l — 2 hrs.
This seminar complements SW 6268 Trauma Informed Practice Practicum I. This is a graded portion of field practicum. (Fall)

SW 6270. Advanced Practicum II — 3 hrs.
Practicum placement for second year M.S.W. students, spring semester or summer. 250 clock hours required; concurrent with classes or summer following second year classes. Practicum established by arrangement with Department of Social Work Field Director. Offered on credit/no credit basis only. Prerequisite(s): SW 6268; SW 6269. (Spring)

SW 6271. Advanced Practicum Seminar ll — 2 hrs.
This seminar complements SW 6270 Trauma Informed Practice Practicum II. This is a graded portion of field practicum. (Spring)

SW 6272. Advanced Social Administration Practicum — 8 hrs.
Field practicum for second year M.S.W. Social Administration concentration students. 500 clock hours required. Practicum established by arrangement with Department of Social Work Field Director. Offered on credit/no credit basis only. (Spring and Summer)

SW 6273. Advanced Social Administration Practicum Seminar — 2 hrs.
This seminar complements SW 6272 Advanced Social Administration Practicum. This is a graded portion of field practicum. (Spring and Summer)

SW 6274. Advanced Social Administration Practicum I — 4 hrs.
Practicum placement for second year M.S.W. Social Administration concentration students, fall semester. 250 clock hours, concurrent with classes. Practicum established by arrangement with Department of Social Work Field Director. Offered on credit/no credit basis only. Prerequisite(s): completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Fall)

SW 6275. Advanced Social Administration Practicum I Seminar — 1 hr.
This seminar complements SW 6274 Advanced Social Administration Practicum I. This is a graded portion of field practicum. (Fall)

SW 6276. Advanced Social Administration Practicum II — 4 hrs.
Practicum placement of second year M.S.W. Social Administration concentration students, spring semester or summer. 250 clock hours. Practicum established by arrangement with Department of Social Work Field Director. Offered on credit/no credit basis only. Prerequisite(s): SW 6274; SW 6275. (Spring)

SW 6277. Advanced Social Administration Practicum II Seminar — 1 hr.
This seminar complements SW 6276 Advanced Social Administration Practicum II. This is a graded portion of field practicum. (Spring)

SW 6278. Social Intervention: Policies and Services — 3 hrs.
Analyzes components of past and present social welfare policies, programs, and services in the United States, with consideration of how well they respond to the needs of marginalized and high-risk individuals, families, and communities. Focus on consequences of policies for administration of social services, weighing financial costs against benefits, programmatic alternatives, and various approaches to advocacy and social reform. Prerequisite(s): admission to graduate program in Social Work or written consent of instructor. (Fall)

SW 6285. Readings — 1-6 hrs.
Prerequisite(s): consent of instructor. (Fall and Spring)

SW 6299. Research — 1-3 hrs.
May be repeated for maximum of 3 hours. Prerequisite(s): Consent of department. (Spring)

Sociology Courses (SOC)

Courses

SOC 1000. Introduction to Sociology — 3 hrs.
Why do we do the things we do? Why is our society the way it is? Sociology teaches students to understand human behavior in an increasingly complex and dynamic social world. Students analyze how and why people act, think, and feel the ways they do. Identity, relationships, institutions, social structures, and the sociological perspective are topics covered. (Fall and Spring)

SOC 1060. Social Problems — 3 hrs.
Social problems teaches students to analyze a variety of contemporary issues facing groups of people. Students will examine the causes, consequences, and potential solutions to the problems. Topics include topics like poverty, drugs, sex trafficking, discrimination, and mental illness. (Fall and Spring)

SOC 1070. Introduction to Human Rights — 3 hrs.
In recent years, "human rights" has become among the most powerful ways of thinking about and fighting for a more just world. This course provides an introduction to the interdisciplinary study of human rights as a concept, a set of laws and institutions, and as a set of political and cultural practices with a particular focus on the sociological study of human rights. The course will begin with a study of the foundations of human rights that seeks to answer questions such as "What are human rights?" and "How or why do we have these rights?" Students will investigate the practice of human rights and the political structures that enable us to address human rights violations around the globe with an emphasis on the relationship between the individual and society. Finally, this course will allow students to consider the most salient, and often controversial, contemporary human rights challenges we face today, here in the U.S. and abroad. (Spring)

SOC 2000. The Sociological Career — 3 hrs.
The focus of this course is to help students prepare for a career using their sociology degree. To do this, we will cover issues related to maximizing time as a student on the UNI campus, as well as developing tools to help students pursue their own professional interests. This should encourage students to discover ways of becoming both a life-long learner and a successful professional in the career of their choice. (Fall)

SOC 2010. Research Methods — 3 hrs.
Introduction to basic research methods used in social research. Conceptualization and operationalization of research problems. Examination of various research designs used to collect data. Introduction to sampling, instrumentation, data processing, data analysis, and report production. Priority to Sociology and Criminology majors and minors. Prerequisite(s): SOC 1000 or SOC 1060. (Fall and Spring)

SOC 2030. Sociology of Families — 3 hrs.
This course is designed to give students a basic introduction to the sociology of families. We will explore topics such as families in historical perspective, mate selection, cohabitation, marriage, parenthood, families and work, divorce, and family diversity. Students should leave the course with a basic understanding of the concepts, principles, and methods used to study family experiences from a sociological perspective. Prerequisite(s): SOC 1000 or SOC 1060. (Variable)

SOC 2040. Social Movements — 3 hrs.
Social movements occur when people break from their ordinary, everyday lives and try to make broad social change. In this survey course we will examine the social, cultural, and political forces that that launch social movements, form the trajectory of movements, and shape counter-movements. We will look at historical and current cases, looking at how social movements are formed, and what makes them successful or unsuccessful. (Variable)

SOC 2075. The Self in Social Context — 3 hrs.
Analysis of how people's thoughts, feelings, actions, and identities are influenced by social processes, interactions, and structures. Special attention to how people acquire, construct, and negotiate identities and how they are influenced by social realities of race, class, gender, and sexual orientation in these processes. (Variable)

SOC 3035/5035. Social Gerontology — 3 hrs.
This course explores the social aspects of aging - how do older adults affect society and how does society affect older adults. We will do this by reviewing research on such topics as the demography of aging, aging in historical perspective, social support later in life, living arrangements, work and retirement, health and health care, and

caregiving. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Variable)

SOC 3037. Race, Ethnicity and Social Justice — 3 hrs.
The nature, origin, and consequences of racism and ethnicity-based inequality. Examines contemporary issues of racism and how people seek change and social justice. (Variable)

SOC 3045/5045. Social Inequality — 3 hrs.
The nature, origins, and reproduction of social inequalities. Examines the distribution of resources across groups and the processes that create it. Covers class, race, gender, and sexuality, and their relationship to each other. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Variable)

SOC 3050/5050. Men and Masculinities — 3 hrs.
Examination of men's lives from boys to men in such roles as friends, lovers, co-workers, family members, students, athletes, consumers, and soldiers. Consideration of diversities of male experiences through such categories as race, ethnicity, religion, class, sexual orientation, age, physical ability, and appearance. Prerequisite(s): junior standing. (Variable)

SOC 3060/5060. Sociology of Culture — 3 hrs.
This class illustrates how the economy and personal taste can be connected, so that we feel like we must prefer some cultural forms over others. Students will learn how to find meaning in a variety of cultural forms through exploration and critical analysis. Topics include conspicuous consumption, leisure, subcultures, and celebrity culture. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Variable)

SOC 3070/5070. Sociological Theory — 3 hrs.
An overview of classical and contemporary social theory. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Spring)

SOC 3080/5080. Immigration and Transnationalism — 3 hrs.
Comparative multi-disciplinary perspective on international migration and immigrant settlement strategies, with a focus on Western Europe and the United States. Topics cover the main theoretical and contemporary debates within the field of international migration. Prerequisite(s): SOC 1000 or SOC 1060 or ANTH 1002; junior standing. [Same as ANTH 3080/5080] (Variable)

SOC 3086/5086. Medical Sociology — 3 hrs.
Medical sociology is a broad field of study that uses sociological theories and methods to investigate the social causes and consequences of health and illness across the life course. This class examines: the social determinants of physical and mental health, disease, and mortality; health-seeking behaviors; doctor-patient interactions; health care providers; complementary and alternative medicine; health care systems domestically and globally; health care policy; and ethics. Prerequisite(s): SOC 1000 OR SOC 1060; consent of instructor; junior standing. (Variable)

SOC 3087/5087. Society and Mental Illness — 3 hrs.
Mental illness is an individual and social experience. In this class, we use sociological theories and methods to examine how definitions of mental illness changed over time, place, and cultural context. We investigate the social patterning of mental illness by race and ethnicity, social class, sex, and age, and how mental illness tends to cluster among those with the fewest resources. We consider the roles of stress, trauma, discrimination, and systems of social support. We critically analyze individual and social barriers to treatment, such as stigma, legal problems, and mental health public policy in the U.S. and abroad. Throughout the course we learn how sociologists work with other social scientists and medical professionals identifying the social causes and consequences of mental illness for individuals and society. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Variable)

SOC 3179. Cooperative Education — 1-6 hrs.
Experiential learning in cooperation with the Cooperative Education office. Prerequisite(s): 12 hours in sociology including SOC 2010; junior standing; consent of instructor and department head and Cooperative Education office. (Fall, Spring, Summer)

SOC 4005/5005. Refugees and Humanitarianism — 3 hrs.
Refugees and Humanitarianism is meant to provoke passionate concern for the real-world consequences of refugee aid and measured social scientific thinking about how to respond to the challenges of humanitarian crisis in our "second-best world." This class explores the social and political challenges of living as a refugee and working in humanitarian settings, with a focus on refugee camps and the institutional development of the UN High Commissioner for Refugees. How did refugee camps become the primary means to administer sanctuary? What are the consequences of this? The class also explores the outcomes refugees face when they are processed through the UN framework of durable solutions as well as alternative approaches to refuge. Topics include causes of flight and exile, the human rights of refugees and internally displaced persons, camp security, health, and environment, as well as contemporary solutions to forced migration. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Variable)

SOC 4015/5015. Qualitative Research — 3 hrs.
This course is a first introduction to qualitative methods used in sociology and the social sciences. Students will learn participant observation, interviewing and ethnography skills, as well as analysis of material culture, visual sociology, oral history, analysis of documents and other forms of text, including the ambiguous online ethnography. Prerequisite(s): SOC 1000 or SOC 1060 or ANTH 1002; junior standing. (Same as ANTH 4015/5015) (Variable)

SOC 4025/5025. Quantitative Research — 3 hrs.
In this course, students will become more familiar with the steps involved in conducting a quantitative research project, with an emphasis on survey research. The focus is on developing skills related to forming research questions and hypotheses guided by theory and prior research, collecting data, conducting data analysis, and interpreting and presenting results. This will increase understanding of how to conduct quantitative research and present it in a scholarly manner. Prerequisite(s): SOC 1000 or SOC 1060; SOC 2010 or equivalent; SOC SCI 2020 or equivalent; completion of UNIFI Quantitative Reasoning requirement; junior standing. (Variable)

SOC 4036/5036. Program and Policy Evaluation — 3 hrs.
This course engages students on how social science methodologies can be applied to program and policy evaluation. Prerequisite(s): SOC 1000 or SOC 1060; SOC SCI 2020; or consent of the instructor; junior standing. (Variable)

SOC 4051/5051. Sociology of Gender — 3 hrs.
Through an intersectional lens, students examine gender as a social, cultural, and institutional construction. Students will explore how gender influences social life within major social institutions such as media, family, the workplace, schools, religion, politics, and popular culture. Focus on US but also comparative. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Variable)

SOC 4052/5052. Childhood Inequalities — 3 hrs.
In this course, we use sociological theories and research methods to critically analyze the social and structural forces that influence child development and the social construction of childhood. We pay careful attention to social, cultural, legal, familial, and societal processes

that lead to unequal childhoods and perpetuate social problems such as the school-to-prison pipeline, medicalizing child emotions and behaviors, childhood poverty and hunger, child abuse, neglect, and trauma, and the separation and detention of children from their migrant families. Throughout the course, we use a sociological perspective to understand the problems children face and what can be done to reduce childhood inequalities. Prerequisite(s): SOC 1000 or SOC 1060; junior standing. (Fall)

SOC 4053. Social Justice Seminar — 3 hrs.
The Social Justice seminar is the culminating class for the Social Justice Minor. Students will implement what they have learned throughout the minor into an applied term project where students work on a specific social justice issue. This course will cover social justice organizing and practice across a range of social institutions. Students will engage with questions of defining social justice and its relation to other concepts, such as diversity, equity, inclusion, culture, identity, and respect. Issues in Social Justice research, movements, theory, and human rights will be used as case studies for students to critically examine contemporary social issues, events, policies and practice. Prerequisite(s): SOC 1000 or SOC 1060; 6 hours from the following: SOC 3037, SOC 3060/5060, SOC 3080/5080, SOC 3086/5086, SOC 3087/5087, SOC 4005/5005, SOC 4051/5051, or consent of instructor. (Odd Springs)

SOC 4071/5071. Feminist Theories in the Social Sciences — 3 hrs.
Survey of theoretical approaches to study of sex and gender. Classical, structural, neo-Freudian, Marxist feminist, and radical approaches. Topics include work, family, religion, and sexuality. Prerequisite(s): SOC SCI 1020 or SOC 1000 or SOC 1060 or ANTH 1002 or WGS 1040; junior standing. (Variable)

SOC 4198. Independent Study — 1-3 hrs.
May be repeated with department head approval. Prerequisite(s): 12 hours in sociology including SOC 2010; junior standing; consent of instructor and department head. (Variable)

SOC 4485. Sociology Internship — 1-3 hrs.
Experiential learning through internship placement in a sociology-related agency or position. Requires prior consultation with instructor. Intended for sociology majors. May be repeated for maximum three hours. A maximum of three credit hours of SOC 4485 or SOC 4585 may count toward the sociology major. Prerequisite(s): 12 hours in sociology (SOC xxxx); major GPA of 2.80 or higher, junior standing; consent of instructor and department head. (Fall, Spring, Summer)

SOC 4499/5499. Seminar in Sociology — 3 hrs.
Selected topics; opportunity to correlate previous course work and knowledge in field of sociology. Topic listed in Schedule of Classes. May be repeated for maximum of 6 hours. Prerequisite(s): 12 hours in sociology including SOC 2010 or consent of instructor; junior standing. (Variable)

SOC 4500/5500. Theory and Practice in Applied Settings — 1-6 hrs.
Experiential learning in sociology. Requires prior consultation with instructor. Offered on credit/no credit basis only. Prerequisite(s): 12 hours in sociology including SOC 2010; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

SOC 4501/5501. Research Experience in Sociology — 1-3 hrs.
Research participation and/or independent supervised research. May be repeated for maximum of 6 hours. Prerequisite(s): 12 hours in sociology including SOC 2010; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

SOC 4502/5502. Readings in Sociology — 1-3 hrs.
May be repeated only with consent of department. Prerequisite(s): 9 hours in sociology; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

SOC 4585. Practical Field Experience — 1-3 hrs.
Designed for students currently working in in an sociology-related agency or position. Provides an opportunity for students to apply academic material to their current jobs in sociology or a related field. Intended for sociology majors. May be repeated for maximum three hours. A maximum of three credit hours of SOC 4485 or SOC 4585 may count toward the sociology major. Prerequisite(s): 12 hours in sociology (SOC xxxx); major GPA of 2.80 or higher; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

SOC 6299. Research.
Prerequisite(s): consent of instructor and department head. (Variable)

Spanish Courses (SPAN)

Courses

SPAN 1001. Elementary Spanish I — 3 hrs.
For beginners. Not recommended for students who have had two or more years of Spanish in high school or the equivalent. (Fall, Spring, Summer)

SPAN 1002. Elementary Spanish II — 3 hrs.
Continuation of SPAN 1001. Not recommended for students who have had three or more years of Spanish in high school or the equivalent. Prerequisite(s): SPAN 1001 or equivalent. (Fall, Spring, Summer)

SPAN 1003. Accelerated Elementary Spanish — 5 hrs.
Recommended for students who have had one year of Spanish in high school or the equivalent. Not recommended for students who have had two or more years of Spanish in high school. (Variable)

SPAN 2001. Intermediate Spanish — 3 hrs.
Thorough review of essential Spanish grammar; enlarges vocabulary and augments the skills of listening, reading, writing, speaking, and cultural awareness. Prerequisite(s): SPAN 1002 or SPAN 1003 or equivalent. (Fall and Spring)

SPAN 2002. Oral and Written Spanish — 3 hrs.
Development of communication skills, culturally, orally, and in written form through selected readings, discussions, and exercises. Prerequisite(s): SPAN 2001 or equivalent. (Fall and Spring)

SPAN 2053. Spanish for Special Purposes: _____ — 3 hrs.
Grammatical review and specialized vocabulary for practical professional situations; develops listening, reading, writing, and speaking skills; and provides a vehicle for cultural awareness. Prerequisite(s): SPAN 2001 or equivalent. (Fall and Spring)

SPAN 3000. Teaching Spanish in the Elementary School — 3 hrs.
Foreign language teaching methodology for K-8, language development, instructional strategies for the elementary level, elementary foreign language classroom management and design for instruction. Field experience and class sessions. Prerequisite(s): SPAN 3001 or SPAN 3050/5050 or SPAN 3006 or equivalent; TEACHING 3128. Prerequisite(s) or corequisite(s): SPAN 2002 and consent of instructor. (Variable)

SPAN 3001. Advanced Writing — 3 hrs.
Analysis and practice in Spanish grammar and usage through writing and reading a variety of texts with attention to vocabulary enhancement and different communication strategies. Prerequisite(s): SPAN 2002 or equivalent. (Fall and Spring)

SPAN 3002/5002. Advanced Spanish for Special Purposes: _____ — 3 hrs.
Enhance speaking, writing, and cultural skills for particular professional or occupational situations. Prerequisite(s): SPAN 2053 or SPAN 2002 or equivalent; junior standing. (Variable)

SPAN 3003. Advanced Conversation and Reading — 3 hrs.
Further development of oral fluency. Conversation on current issues. Extensive vocabulary enhancement through readings and multimedia materials. Prerequisite(s): SPAN 2002 or equivalent. (Variable)

SPAN 3004. Introduction to Hispanic Literature — 3 hrs.
Selected major works of representative Hispanic authors. Application of language skills to literary analysis and introduction to critical theories. Recommended for non-teaching majors. Prerequisite(s): required Spanish language proficiency or equivalent. (Fall and Spring)

SPAN 3006. Spanish for Heritage Speakers — 3 hrs.
Reading and writing-intensive Spanish course for heritage speakers of Spanish, including linguistic, literary and cultural content. Prerequisite(s): Students must hold an interview with a faculty member to ascertain their status as heritage speakers. (Variable)

SPAN 3007. Introduction to Translation — 3 hrs.
Basic considerations regarding theoretical and applied translation and role of contrastive grammar in translation. Prerequisite(s): SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent. (Fall and Spring)

SPAN 3008/5008. Introduction to Spanish Linguistics — 3 hrs.
Survey of the basic concepts of modern linguistics, as illustrated through Spanish phonology, morphology, syntax, and semantics. Prerequisite(s): SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent; junior standing. (Fall and Spring)

SPAN 3012. Survey of Spanish American Literature — 3 hrs.
Overview of Spanish American literature through works of representative authors of different periods and genres. Prerequisite(s): SPAN 3004 or equivalent. (Spring)

SPAN 3018. Survey of Spanish Literature — 3 hrs.
Overview of Spanish literature through works of representative authors of different periods and genres. Prerequisite(s): SPAN 3004 or equivalent. (Fall)

SPAN 3020. Latin American Culture and Civilization — 3 hrs.
Culture of Latin America as shaped by its geography, history, and pre-history; and as revealed in its arts, sports, customs, traditions, and economic, social, and political institutions. Prerequisite(s): SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent. (Variable)

SPAN 3023. Culture and Civilization of Spain — 3 hrs.
Spanish cultural heritage as shaped by geography and history, and as revealed in its arts, sports, customs, traditions, and economic, educational, social, and political institutions. Prerequisite(s): SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent. (Variable)

SPAN 3027. Latinos in the United States — 3 hrs.
Major issues confronting Latinos living in the U.S.: history, immigration, economics, literary, and cinematographic representation. Prerequisite(s): SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent. (Variable)

SPAN 3031. Topics in Spanish American Literature and Culture: — 3 hrs.
Movements, themes, and authors in Spanish narrative, poetry, essay, and drama; based on historical periods and cultural trends. Topic listed in Schedule of Classes. Prerequisite(s): SPAN 3012 or SPAN 3018. (Variable)

SPAN 3035. Topics in Literature and Culture of Spain: — 3 hrs.
Movements, themes, and authors in Spanish narrative, poetry, essay, and drama; based on historical periods and cultural trends. Topic listed in Schedule of Classes. Prerequisite(s): SPAN 3012 or SPAN 3018. (Variable)

SPAN 3050/5050. Written Communication — 3 hrs.
Topics taken from daily life; compositions written and corrected in the classroom; grammar review, and Spanish letter writing. Offered only in conjunction with the Spanish institutes abroad. Prerequisite(s): junior standing. (Fall, Spring, Summer)

SPAN 3051/5051. Advanced Oral Communication — 3 hrs.
Topics of Spanish daily life; emphasis on idioms typical of that linguistic community. Offered only in conjunction with the Spanish institutes abroad. Prerequisite(s): junior standing. (Fall, Spring, Summer)

SPAN 3052/5052. Contemporary Hispanic Culture — 3-5 hrs.
Contemporary Hispanic culture as it reflects and relates to its history and pre-history and current environment; emphasis on literature, architecture, painting, sculpture, and folk music. Offered only in conjunction with the Spanish institutes abroad. May be repeated for maximum of 5 hours. Prerequisite(s): junior standing. (Fall, Spring, Summer)

SPAN 4041/5041. Hispanic Cultures: Film and Multimedia — 3 hrs.
Development of language, cultural and critical skills through Spanish language media (e.g., print, radio, television, film, and computer-based communications). Prerequisite(s): SPAN 3020 or SPAN 3023 or SPAN 3027 or SPAN 3052/5052 or equivalent; junior standing. (Variable)

SPAN 4043/5043. Pronunciation and Oral Proficiency — 3 hrs.
Practice in pronunciation with focus on oral proficiency. Prerequisite(s): SPAN 3008/5008 or equivalent; junior standing. (Variable)

SPAN 4045/5045. Translation — 3 hrs.
Journalistic and technical translation using varied textual materials (public media, scholarly, and professional texts), from English to Spanish and Spanish to English. May be repeated once. Prerequisite(s): SPAN 3007 or equivalent; junior standing. (Variable)

SPAN 4046/5046. Topics in Language and Culture: _____ — 3 hrs.
Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): SPAN 3020 or SPAN 3023 or SPAN 3027 or SPAN 3052/5052 or equivalent; junior standing. (Variable)

SPAN 4047/5047. Structure of Spanish — 3 hrs.
Study of Spanish syntax using current linguistic theories. Prerequisite(s): SPAN 3008/5008 or equivalent; junior standing. (Variable)

SPAN 4062/5062. Spanish American Literature: _____ — 3 hrs.
Study of Spanish American literature by genre, period, theme, or author. Topic listed in Schedule of Classes. May be repeated on different topic. Prerequisite(s): SPAN 3004 or equivalent; junior standing. (Variable)

SPAN 4063/5063. Peninsular Literature: _____ — 3 hrs.
Study of Peninsular literature by genre, period, theme, or author. Topic listed in Schedule of Classes. May be repeated on different topic. Prerequisite(s): SPAN 3004 or equivalent; junior standing. (Variable)

SPAN 4064/5064. Hispanic Literature: _____ — 3 hrs.
Combined study of Peninsular Spanish and Spanish American literature by genre, period, theme, or author. Topic listed in Schedule of Classes. May be repeated on different topic. Prerequisite(s): SPAN 3004 or equivalent; junior standing. (Variable)

SPAN 4066/5066. Topics in Literature and Culture: _____ — 3 hrs.
Perspectives on interrelationship of Spanish and/or Spanish American and/or U.S. Latino/Chicano literature and culture, based on historical periods, movements, themes, genres, and authors. Topic listed in Schedule of Classes. May be repeated on different topic. Prerequisite(s): SPAN 3004 or equivalent; junior standing. (Variable)

SPAN 4091. Practicum in Teaching Spanish — 3 hrs.
Participants acquire knowledge of foreign language methodologies through practical applications, including lesson planning, class observations, materials development, and technology integration. Required for students in second language acquisition and foreign-language teacher education programs. Prerequisite(s): SPAN 3001 or SPAN 3006 or SPAN 3050/5050 or equivalent; TEACHING 3128. Prerequisite(s) or corequisite(s): LANG 4740/5740. (Fall or Spring)

SPAN 6001. Literature and Critical Theory — 2-3 hrs.
Critical theory application to the study of literature of Spanish-speaking peoples, literary genres, and techniques, using intensive readings, lectures, and student reports. Primarily for students planning to take the M.A. comprehensives in Spanish. (Variable)

SPAN 6021. Hispanic Culture and Literature: _____ — 2-3 hrs.
Investigation into Hispanic cultures and civilizations as a product of their history and current environment. May be repeated for credit on different topics. (Variable)

SPAN 6031. Cervantes — 3 hrs.
Intensive study of Don Quijote. (Variable)

SPAN 6035. Golden Age Literature — 2-3 hrs.
Outstanding literary works of the Renaissance and Baroque eras. (Variable)

SPAN 6040. Analysis of Spanish — 2-3 hrs.
Advanced study of current syntactic theories applied to topics relevant to Spanish. Prerequisite(s): SPAN 3008/5008 or consent of instructor. (Variable)

SPAN 6041. Old Spanish — 2-3 hrs.
Literary and linguistic study of selected early works. Prerequisite(s): SPAN 3008/5008 or consent of instructor. (Variable)

SPAN 6045. Translation Techniques — 2-3 hrs.
Contemporary theories and strategies in translation. Prerequisite(s): SPAN 4045/5045 or equivalent translation skills. (Variable)

SPAN 6052. Topics in Language and Culture: _____ — 1-3 hrs.
Study of linguistic, geographic, socioeconomic, historico-political aspects of contemporary Hispanic societies, as reflected in art, folklore, and culture. May be repeated on different topic. (Variable)

SPAN 6060. Spanish American Literature: _____ — 2-3 hrs.
Study of Spanish American literature by genre, period, theme, and/or author. May be repeated on different topic. (Variable)

SPAN 6061. Spanish Literature: _____ — 2-3 hrs.
Study of Spanish literature by period, theme, and/or author. May be repeated on different topic. (Variable)

SPAN 6062. Comparative Hispanic Literatures: _____ — 3 hrs.
Comparative analysis of Spanish and Spanish American literature thematically, structurally, and/or stylistically. (Variable)

SPAN 6289. Seminar: _____ — 2-3 hrs.
Various topics offered in areas of literature, culture, and language. Topic listed in Schedule of Classes. May be repeated on different topic. (Variable)

Special Education Courses (SPED)

Courses

SPED 3150. Meeting the Needs of Diverse Learners in Classrooms — 2 hrs.
Introduction to pedagogical, curricular, and social considerations involved in educating diverse learners in the general education classroom. Physical Education majors will be waived from SPED 3150. Prerequisite(s): EDPSYCH 2030. (Fall and Spring)

SPED 4124/5124. Infant Toddler Curriculum and Early Intervention — 3 hrs.
Methods of implementing appropriate curriculum for and guidance of very young children, including children with diverse needs in natural settings. Interagency collaboration and services to support and coach families of infants and/or toddlers with developmental delays or disabilities. Prerequisite(s): SPED 3150; EDPSYCH 3109; EDPSYCH 3148; TEACHING 3128; junior standing. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Prerequisites are waived for students from the Department of Communication Sciences and Disorders. Corequisite(s): SPED 4192/5192 Experience in Special Education: Birth-3. [Same as ELEMECML 4124/5124] (Fall and Spring)

SPED 4141/5141. Including Young Children with Special Needs Into General Education Classrooms — 3 hrs.
Advanced best practices for educating young children with diverse learning needs in the general education classroom. Prerequisite(s): SPED 3150; junior standing. Registration requires full admission to the Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Corequisite(s): ELEMECML 4130/5130; ELEMECML 4192/5192; SPED 4192/5192 for Early Childhood majors/Early Childhood Special Education minors. (Fall)

SPED 4148/5148. Assessment of Young Children and Families with Exceptionalities — 3 hrs.
This course builds on the recommended practices to prepare education professionals to assess young exceptional children aged from birth to eight with diverse learning needs and their families. Students gain knowledge of various approaches to assessment and master skills in administering the assessment and interpreting gathered information to determine eligibility, planning and implementing the intervention, monitoring progress, as well as evaluating the program. The concerns,

priorities, and resources of families will be addressed in support of the decision making throughout the assessment process. Prerequisite(s): SPED 3150; EDPSYCH 3109; EDPSYCH 3148; TEACHING 3128; junior standing. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Prerequisites are waived for students from the Department of Communication Sciences and Disorders. (Fall and Spring)

SPED 4150/5150. Introduction to Special Education: Legal, Advocacy, and Assistive Technology Practices and Issues — 3 hrs.
Introductory exploration of foundational issues and practices in special and inclusive education. Includes emphasis on 1) law and legal issues; 2) professional advocacy and related educational issues focused on identification, assessment, intervention, and characteristics; and 3) universal design and assistive technology for individuals with exceptional learning needs. Prerequisite(s): SPED 3150; junior standing. Registration requires full admission to the Teacher Education Program. (Fall and Spring)

SPED 4151/5151. Educational and Post-School Transition Programming for Individuals with Disabilities — 3 hrs.
This course will promote understandings of current initiatives and research related to planning and supporting educational (K-12) and post-school transitions for individuals with disabilities. Prerequisite(s): SPED 3150; junior standing. Registration requires full admission to the Teacher Education Program. Prerequisite(s) or corequisite(s): SPED 4150/5150. (Fall and Spring)

SPED 4161/5161. Constructions of Behavior and Humanistic Supports — 3 hrs.
Individual behavior management, behavioral change strategies, and classroom management for students with special needs. Prerequisite(s): SPED 3150; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4162/5162; SPED 4163/5163. Prerequisite(s) or corequisite(s): SPED 4150/5150. (Fall and Spring)

SPED 4162/5162. Specialized Assessment and Instruction for Students with Disabilities — 3 hrs.
Collection and use of educational data to assess and teach students with diverse learning needs, educational planning and progress monitoring, instructional models, curricular access, mapping, and development. Prerequisite(s): SPED 3150; MEASRES 3150; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4161/5161; SPED 4163/5163. Prerequisite(s) or corequisite(s): SPED 4150/5150. (Fall and Spring)

SPED 4163/5163. Field Experience in Specialized Assessment, Instruction and Management in Special Education (K-8) — 3 hrs.
Supervised foundational field experience practicum addressing specialized assessment, instruction and management in special education. Credit/no credit only. Prerequisite(s): SPED 3150; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4161/5161; SPED 4162/5162. Prerequisite(s) or corequisite(s): SPED 4150/5150. (Fall and Spring)

SPED 4171/5171. Creating and Sustaining Positive Inclusive Learning Environments (K-12) — 3 hrs.
Development of professional behaviors characterized by positive personal interactions with others and effective skills for interdisciplinary collaboration. Strategies for collaborating with parents, administrators, teachers, and paraprofessional colleagues, as well as community and support services personnel to create and sustain positive inclusive learning environments. Students will engage in problem-solving, learn small group, whole class, and school-wide management competencies required to teach and support students with disabilities (K-12). Prerequisite(s): SPED 3150; SPED 4150/5150; SPED 4161/5161; SPED 4162/5162; SPED 4163/5163; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4172/5172 or SPED 4173/5173; SPED 4192/5192 (a) or SPED 4192/5192 (b) or SPED 4192/5192 (c) (as associated with the SPED 4172/5172 or 4173 co-requisite course and teaching focus area). Prerequisite(s) or corequisite(s): SPED 4151/5151. (Fall and Spring)

SPED 4172/5172. Differentiated & Intensive Methods in Literacy & Mathematics: Elementary Mild/Mod Disabilities (K-8) — 3 hrs.
Differentiated and intensive instructional methods, materials, and assessment for students with mild/moderate disabilities in grades K-8; emphasis in literacy and mathematics instruction and accommodations to address individualized needs; includes collaborative approaches and co-teaching and accessible/assistive technology. Prerequisite(s): SPED 3150; SPED 4150/5150; SPED 4161/5161; SPED 4162/5162; SPED 4163/5163; LITED 3115; MATH 3204 or approved elementary Mathematics methods course; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4171/5171; SPED 4192/5192 (a) Practicum in Instructional Strategist I K-8. Prerequisite(s) or corequisite(s): SPED 4151/5151. (Fall and Spring)

SPED 4173/5173. Instructional Methods for Inclusive Learning (5-12) — 3 hrs.
Instructional methods, materials, and assessment for students with mild/moderate and significant disabilities in grades 5-12; emphasis on creating access to curriculum and supporting students within the inclusive classroom. Prerequisite(s): SPED 3150; SPED 4150/5150; SPED 4161/5161; SPED 4162/5162; SPED 4163/5163; LITED 3115 (or approved literacy methods course); MATH 3204 (or approved mathematics methods course); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4171/5171; SPED 4192/5192 (b) Practicum in Instructional Strategist I 5-12 OR SPED 4192 (c) Practicum in Instructional Strategist II: Intellectual Disabilities. Prerequisite(s) or corequisite(s): SPED 4151/5151. (Spring)

SPED 4180/5180. Interdisciplinary Study of Disability — 3 hrs.
Presents an overview of the meaning and significance of disability in society and culture by viewing this phenomenon through an interdisciplinary framework. Students will investigate multiple perspectives on disability to address intriguing and important questions regarding: civil/human rights, bioethics, law and criminal justice, economics, education, and the role of disability in American/world history, the arts, film, literature, anthropology, and philosophy. Prerequisite(s): junior standing. (Spring)

SPED 4192/5192. Experience in Special Education — 1-12 hrs.
Supervised assessment and teaching experience in special and inclusive education. May be repeated in different areas for up to 12 hours. Offered credit/no credit option only. Prerequisite(s): junior standing. Registration requires full admission to the Teacher Education Program. (Fall and Spring)

SPED 6240. Collaborative Consultation I: The Relationship — 3 hrs.
Emphasis on the psychological and behavioral considerations involved in successfully forming and maintaining a collaborative consulting relationship. In-depth topics include self-management, personality style and versatility, starting the relationship, and establishing one's role with the group and individual. (Fall)

SPED 6245. Collaborative Consultation II: The Process — 3 hrs.
Provides in-depth understanding and beginning execution of a systematic model of collaborative consulting including four processes or sets of procedures for carrying out the model. Emphasis on planning, problem clarification and analysis, teaching and teacher strategy, presenting solutions, and dealing with teacher concerns and fears. (Spring)

SPED 6254. Vocational and Transition Assessment of Individuals with Disabilities — 3 hrs.
Assessment and application of techniques for professionals working with adolescents or adults with disabilities. Designed for those interested in vocational and transition programming for individuals with disabilities. Prerequisite(s): SPED 4151/5151 or consent of instructor. (Variable)

SPED 6260. Special Education Law and Policy — 3 hrs.
Provides information and conceptual understanding of legislative, executive, and judicial action affecting special education programs for children and youth with disabilities. Prerequisite(s): graduate standing. (Fall and Spring)

SPED 6278. Administration of Special Education — 3 hrs.
Prepares administrators to plan programs for various areas of special education, select and evaluate personnel, provide instructional materials, interpret the program to the community, and be informed concerning legal provisions for special education. (Variable)

SPED 6285. Readings in Special Education.
Advanced topical independent reading course organized around current topics in special and inclusive education. May be repeated. Prerequisite(s): written consent of instructor. (Variable)

SPED 6286. Studies in Special Education.
Topical advanced and independent studies course in special and inclusive education. May be repeated. Prerequisite(s): written consent of instructor. (Variable)

SPED 6289. Seminar — 3 hrs.
Advanced seminar in special and inclusive education topics. May be repeated on different topics for a maximum of 9 hours. Prerequisite(s): graduate standing. (Fall)

SPED 6290. Practicum — 1-6 hrs.
Requires written consent of department. May be repeated for maximum of 9 hours. (Fall and Spring)

SPED 6293. Qualitative Research in Special Education — 3 hrs.
In-depth methodological understanding of qualitative research and the opportunity to conduct qualitative research projects in special educational settings. Prerequisite(s): MEASRES 6205. (Fall)

SPED 6295. Single-Subject Research Applications — 3 hrs.
In-depth understanding of single-subject methodology for conducting applied research projects in educational settings. Participation in an applied research project with emphasis on the relationship between applied research and best practices in teaching persons with disabilities. Prerequisite(s) or corequisite(s): MEASRES 6205. (Spring)

SPED 6299. Research — 2-3 hrs.
May be repeated for maximum of 6 hours. Prerequisite(s): consent of department. (Fall and Spring)

SPED 7301. Internship in Special Education Administration — 3 hrs.
Advanced supervised field-based experience to future develop administrative skills. Prerequisite(s): consent of instructor. (Spring)

SPED 7385. Readings in Special Education Leadership.
Topical individualized advanced readings course in special education leadership topics as determined by instructor and student. May be repeated. Prerequisite(s): written consent of instructor. (Variable)

SPED 7386. Studies in Special Education — 1-3 hrs.
Offered by department for specialized work. May be repeated. Prerequisite(s): consent of instructor. (Variable)

Statistics Courses (STAT)

TO MEET ANY COURSE PREREQUISITE, GRADE OF C- OR HIGHER IS REQUIRED IN THE PREREQUISITE COURSE.

Courses

STAT 1772. Introduction to Statistical Methods — 3 hrs.
Descriptive statistics including correlation and curve fitting. Intuitive treatment of probability and inferential statistics including estimations and hypothesis testing. No credit for students with credit in STAT 1774. Students with credit in STAT 3770 should not enroll in STAT 1772. Prerequisite(s): Satisfactory score on ALEKS exam. (Fall, Spring, Summer)

STAT 1774. Introductory Statistics for Life Sciences — 3 hrs.
Descriptive statistics, basic probability concepts, confidence intervals, hypothesis testing, correlation and regression, elementary concepts of survival analysis. No credit for students with credit in STAT 1772. Prerequisite(s): Satisfactory score on ALEKS exam. (Variable)

STAT 1780. Introduction to Data Science — 3 hrs.
Data acquisition, management, and visualization; selected methodologies of machine learning; applications and model evaluation; implementation in R; ethical issues in data science. Prerequisite(s): ALEKS Score of >50%. (Spring)

STAT 3751. Probability and Statistics — 3 hrs.
Descriptive statistics and graphical representations, basic concepts of probability and distributions, random variables, expectations, sampling theory, tests of statistical significance. Calculus is employed in developing and applying these ideas. Specific attention devoted to the use of technology in motivating and explaining concepts and techniques. No credit with credit in STAT 3770; credit reduced to 1 hour for students with credit in STAT 1772. Prerequisite(s): MATH 1421. (Same as MATH 3751) (Spring)

STAT 3752/5752. Introduction to Probability — 3 hrs.
Axioms of probability, sample spaces having equally likely outcomes, conditional probability and independence, random variables, expectation, moment generating functions, jointly distributed random variables, weak law of large numbers, central limit theorem. Prerequisite(s): MATH 1421; junior standing. (Same as MATH 3752/5752) (Fall and Spring)

STAT 3771/5771. Applied Statistical Methods for Research — 3 hrs.
Inference about two or more population variances, multiple comparisons, categorical data analysis, linear and logistic regression, design of experiments, analysis of variance and covariance, repeated measures and random effects. Prerequisite(s): STAT 1774 or STAT 1772; junior standing. (Spring)

STAT 3775/5775. Introduction to Mathematical Statistics — 3 hrs.
Sampling distribution theory, point and interval estimation, Bayesian estimation, statistical hypotheses including likelihood ratio tests and chi-square tests, selected nonparametric methods. Prerequisite(s):

MATH 3752/5752; junior standing. Prerequisite(s) or corequisite(s): MATH 2422. (Spring)

STAT 3776/5776. Regression Analysis — 3 hrs.
Regression analysis, analysis of variance, time series methods. Prerequisite(s): STAT 3775/5775; junior standing. (Fall)

STAT 3778/5778. Spatial Data Analysis — 3 hrs.
Analysis and interpretation of spatial point processes, area, geostatistical and spatial interaction data. Applications to geographic data in real estate, biology, environmental, and agricultural sciences using S-Plus software. Prerequisite(s): STAT 1774 or STAT 1772 or SOC SCI 2020; junior standing. (Same as GEOG 3778/5778) (Odd Springs)

STAT 4772/5772. Statistical Computing I — 3 hrs.
Data management, graphical techniques and data analysis, computationally-intensive methods in statistics including Regression, Logistic Regression and Analysis of Variance. Emphasis on the use of statistical software such as SAS, SPSS, S-Plus, and R. Prerequisite(s): STAT 1774 or STAT 1772; junior standing. (Fall)

STAT 4773/5773. Design and Analysis of Experiments — 3 hrs.
Planning and organizing experiments, one-factor experiments, randomized blocks, Latin squares and related designs, factorial designs and fractional factorial designs, response surface methodology, nested and split-plot designs. Prerequisite(s): STAT 3771/5771 or consent of instructor; junior standing. (Spring)

STAT 4777/5777. Statistical Quality Assurance Methods — 3 hrs.
Exploratory data analysis, Shewhart control charts and their variations, process capability analysis, CUSUM charts, EWMA charts, sampling inspection by attributes and by variables, continuous sampling plans, application of design of experiments in quality engineering. Prerequisite(s): MATH 3752/5752 or consent of instructor; junior standing. (Variable)

STAT 4779/5779. Applied Multivariate Statistical Analysis — 3 hrs.
Multivariate normal distribution, tests of significance with multivariate data, discrimination and classification, clustering, principal components, canonical correlations, use of statistical computer packages. Prerequisite(s): MATH 2500; STAT 3775/5775; junior standing. (Variable)

STAT 4782/5782. Statistical Computing II — 3 hrs.
Computationally-intensive methods in statistics including Multivariate and Categorical analyses. Emphasis on the use of statistical software such as SAS, SPSS, S-Plus, and R. Prerequisite(s): STAT 4772/5772; Junior Standing. (Variable)

STAT 4784/5784. Introduction to Machine Learning — 3 hrs.
Models and Algorithms for Classification: k-NN, Decision Trees, Neural Networks, Logistic Regression, Naive Bayes and Bayesian Networks, Support Vector Machines; Clustering: Hierarchical and k-Means, Kohonen Networks, Association Rules and Segmentation, Model Evaluation Techniques; Ensemble Methods: Bagging and Boosting. Prerequisite(s): CS 1510 or STAT 4772/5772; STAT 1772; junior standing; consent of instructor. (Fall)

STAT 6746. Probabilistic Operations Research — 3 hrs.
Decision making under uncertainty, Markov chains, deterministic and probabilistic dynamic programming, inventory control, production scheduling, supply chain management, portfolio optimizations. Prerequisite(s): MATH 2422; MATH 2500; MATH 3752/5752. (Same as MATH 6746) (Fall and Spring)

STAT 6747. Discrete-Event System Simulation — 3 hrs.
Discrete-event systems simulation theory including input analysis, output analysis; applications of simulation software ARENA to studying performances of systems such as bank services, call centers, material-handling systems, and computer networks. Prerequisite(s): MATH 2422; STAT 1772. (Same as MATH 6747) (Fall and Spring)

STAT 6748. Modeling Industrial Systems Using Queueing Networks — 3 hrs.
Queueing networks, applications to modeling and evaluating industrial systems such as flexible manufacturing systems, pull-type production systems, polling systems in computer networks, handoff schemes in cellular mobile networks; computational package MATLAB. Prerequisite(s): MATH 2422; MATH 2500; MATH 3752/5752. (Same as MATH 6748) (Fall and Spring)

STAT 6772. Advanced Statistical Methods — 3 hrs.
Categorical data analysis, logistic and Poisson regression, forecasting, repeated measures, classification and discriminant analysis, cluster analysis, data mining. Prerequisite(s): STAT 4773/5773. (Variable)

STAT 6779. Topics in Probability and Statistics — 3 hrs.
Topics from correlation and regression analysis, analysis of variance and co-variance, non-parametric methods, order statistics. May be repeated on different topic with consent of instructor. Prerequisite(s): consent of instructor. (Same as MATH 6779) (Variable)

Teaching Courses (TEACHING)

Courses

TEACHING 2017. Level 1 Field Experience: Exploring Teaching — 1 hr.
This course provides 20 hours of direct and indirect experiences with PK-12 students in area schools. This field experience allows students to actively engage in child and adolescent learning. Students will focus on the ways schools function, the roles and responsibilities of teachers, the expectations and requirements of the teaching profession, and current issues in the field. It provides for reflection, self-assessment, and informed decision-making regarding entry into the teacher education program and profession of teaching. Offered on credit/no credit basis only. (Fall and Spring)

TEACHING 3128. Level 2 Field Experience: Lesson Planning and Instruction — 1 hr.
This course provides 30 hours of field experience in which students are actively involved in preparing and teaching lessons in PK-12 school settings under the close supervision of your instructor and mentor teacher. In preparing, teaching, and reflecting on their lessons and other experiences, teacher candidates are expected to apply and document their understanding of teaching and learning processes, motivation, assessment, and classroom management. Offered on credit/no credit basis only. Prerequisite(s): requires admission to teacher education. Corequisite(s): MEASRES 3150 (MEASRES 3150 is waived as a co-requisite for Early Childhood Education, Music Education and Physical Education majors). (Fall, Spring, Summer)

TEACHING 3129. Secondary and Special-Area Classroom Management — 1 hr.
Focus on skills needed to plan engaging instruction, manage the learning environment, foster rapport with students and plan for individual student needs, evaluate effectiveness of instruction/management, and collaborate with peers and mentors in secondary and special area classrooms. Students reflect on management implications

of lessons. Prerequisite(s): Corequisite(s): TEACHING 3128. (Fall and Spring)

TEACHING 3132. Early Childhood Teaching — 4-12 hrs.
Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall and Spring)

TEACHING 3134. Elementary Teaching — 4-12 hrs.
Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall and Spring)

TEACHING 3135. Special Education Teaching — 4-12 hrs.
Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall and Spring)

TEACHING 3137. Middle School/Junior High Teaching — 4-12 hrs.
Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall and Spring)

TEACHING 3138. Secondary School Teaching — 4-12 hrs.
Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall and Spring)

TEACHING 3139. Vocational/Technical Teaching — 4-12 hrs.
Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall and Spring)

TEACHING 3140. Special Area Teaching: Art, ESL, Music, and Physical Education — 4-12 hrs.
Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall and Spring)

TEACHING 3150. Laboratory Practice - Elementary.
For experienced teachers who have not fulfilled the student teaching requirements for elementary certification and to provide an in-depth experience. Includes practice in modern teaching procedures, construction and use of classroom instructional materials, analysis of the teaching-learning process, meeting needs of diverse learners, classroom supervision, and community relations. Special seminar arranged. Requires departmental recommendation and consent. (Variable)

TEACHING 3151. Laboratory Practice - Secondary.
For experienced teachers who have not fulfilled the student teaching requirements for secondary certification and to provide an in-depth experience. Includes practice in modern teaching procedures, construction and use of classroom instructional materials, analysis of the teaching-learning process, meeting needs of diverse learners, classroom supervision, and community relations. Special seminar arranged. Requires departmental recommendation and consent. (Variable)

TEACHING 4170/5170. Human Relations: Awareness and Application — 3 hrs.
Development of awareness of various societal subgroups, recognizing and dealing with dehumanizing biases, and learning to relate effective to various groups in order to foster respect for human diversity. Emphasis on self-awareness in human relations issues and how this awareness can be translated into positive relationships with others and integrated into one's professional responsibilities. Prerequisite(s): full admission into teacher education; junior standing. (Fall, Spring, Summer)

TEACHING 6250. Advanced Laboratory Practice — 2-12 hrs.
Student may concentrate on any aspect of the school program, such as curriculum, methods, evaluation, remedial instruction, guidance, supervision, administration, public school relations, information and communication technologies, and co-curricular activities. Requires consent of the Head of Department of Teaching. (Fall, Spring, Summer)

Technology Courses (TECH)

Courses

TECH 1006. Project Lead The Way: Introduction to Engineering Design — 3 hrs.
This course is part of the nationally certified Project Lead The Way (PLTW) curriculum. Students are introduced to the engineering design process and its application. Through hands-on projects, students apply

engineering standards, use 2D and 3D CAD software to help design solutions, solve problems, and communicate solutions. (Fall)

TECH 1008. Basic Manufacturing Processes — 3 hrs.
Materials and properties, fundamentals of metal casting, plastics processing, metal forming, welding, assembly processes, powder metallurgy, and ceramic processing. Lecture and lab. (Fall and Spring)

TECH 1010. Metal Removal Processes — 3 hrs.
Theory of metal machining, cutting-tool technology, turning and related operations, drilling and related operations, milling, grinding and other abrasive processes, other machine tools, nontraditional machining and thermal cutting processes, metrology introduction to CNC machines-advantages applications of CNC machines, introduction to sustainable machining processes. (Fall and Spring)

TECH 1011. Software for Graphic Techniques — 3 hrs.
Provides lab-based experiences for learning software skills utilizing the industry standard for graphic communications. Addresses fundamentals of the Adobe Creative Suite for print and multimedia. Provides a foundation for required courses in Graphic Technology. (Fall)

TECH 1012. ePortfolio Development & Industry Exploration — 3 hrs.
Introduction to project based environments within the print and digital publishing industries. Students will learn to document achievements through ePortfolio development. Positions within the graphic communications field will be explored. (Fall)

TECH 1015. Introduction to Sustainability — 3 hrs.
Students will gain a basic understanding of sustainability, with focus on possibilities for harmonizing economic, ecological, and social goals for current and future generations. They will conduct practical exercises to enhance personal sustainability. (Fall)

TECH 1017. Computer-Aided Design and Drafting — 3 hrs.
Fundamental concepts and procedures of producing 2D drafting and 3D solid modeling applicable to design and/or drafting in such areas as architecture, communications, electronics, manufacturing, and interior planning. Lab activities using CAD software on microcomputer systems. (Variable)

TECH 1024. Technical Drawing and Design I — 3 hrs.
Fundamentals of product design process; development of engineering drawings, geometric constructions, sketching, multi-view projections, section views, threaded fasteners, use of 3D CAD techniques for design of parts/components. (Fall and Spring)

TECH 1037. Introduction to Circuits — 3 hrs.
Introduction to AC circuits, in-depth DC circuits; current and voltage laws, circuit analysis including series and parallel circuits, inductance, capacitance, introductory magnetism; power calculations and electrical measurements, circuit simulation, troubleshooting techniques. (Fall)

TECH 1039. Circuits and Systems — 3 hrs.
AC circuits including j operators, phasors, transformers, reactance, capacitance, impedance, AC resonance, frequency response, passive filters, network theorems and circuit simulation. Lecture and lab. Prerequisite(s): TECH 1037. Prerequisite(s) or corequisite(s): MATH 1140. Automation Engineering Technology majors will be waived from MATH 1140. (Spring)

TECH 1055. Graphic Communications Foundations — 3 hrs.
Concepts and processes used by the communications industry to place images on surfaces including conventional offset, laser techniques, inkjet technology, screen printing and specialized contemporary technologies are presented. Topics include imaging history, finishing techniques and the opportunity to experience actual print projects within a graphics lab. Includes both lecture and lab. (Fall and Spring)

TECH 2024. Technical Drawing and Design II — 3 hrs.
Engineering design process, geometric dimensioning and tolerancing pertaining to ANSI Y14.5M, fasteners, gears, cams, assembly modeling, coordinate measuring, and rapid prototyping. Prerequisite(s): TECH 1024. (Spring)

TECH 2036. Power Technology — 3 hrs.
Introduction to energy and mechanical power systems. Lecture and lab cover traditional and emerging electrical power technologies such as renewable energy applications. (Variable)

TECH 2038. Introduction to Electrical Power and Machinery — 3 hrs.
Single and polyphase circuits, DC machines, AC single and polyphase synchronous and induction machines, power transformers, introduction to conventional- and renewable-based power systems. Includes lecture and lab projects. Prerequisite(s): TECH 1037; TECH 1039; MATH 1150 or MATH 1420. (Fall)

TECH 2041. Introduction to Analog Electronics — 3 hrs.
Semiconductor materials, P-N junction, characteristics of electronic devices: junction diodes, photodiodes, LED, Zener diodes, and their applications, BJT and FET transistors, small-signal amplifiers, oscillators, electronic circuit simulation and troubleshooting. Prerequisite(s): TECH 1037; TECH 1039; MATH 1140. (Fall)

TECH 2042. Introduction to Digital Electronics — 3 hrs.
Number systems and codes, digital arithmetic, Boolean algebra, elementary logic gates, combinational logic circuits, sequential logic circuits, logic circuit design and industrial applications, simulation and troubleshooting. Lecture and lab. Prerequisite(s): For Non-Automation Engineering Technology majors: TECH 1037; TECH 1039; MATH 1140. Prerequisite(s) for Automation Engineering Technology majors: MATH 1140 or MATH 1150; TECH 1037; TECH 1039. (Fall)

TECH 2060. Fundamentals of Automated Manufacturing — 3 hrs.
Concepts of flexible and fixed automation systems, basic integrated automation with machine tools, automatic tool changer and pallet loading systems. CNC parts programming for milling and turning operations along with computer simulation, CNC machine tool controller simulation, and lab activities. Introduction to robots, including robotics safety, creation of robotic tool center point and work object, basic and structured programming along with simulation and lab activities. Prerequisite(s): sophomore standing. (Fall)

TECH 2070. Digital Pre-Media — 3 hrs.
Using industry standard applications and technology, this course introduces students to the essentials of preparing a file for different mediums including print, web, and electronic media. An in-depth look into electronic file development, digital prepress techniques, variable data implementation, interactive pdf creation, color management and epublishing. Prerequisite(s): TECH 1055. (Spring)

TECH 2072. Engineering Materials — 3 hrs.
Introductory course of principles and properties of materials, including metals, composites, ceramics, glass, and polymers. Lecture and lab. Prerequisite(s): satisfactory score on ALEKS exam; completion of UNIFI Written Communication requirement; CHEM 1020 or CHEM 1110; PHYSICS 1511 or PHYSICS 1701; sophomore standing. (Spring)

TECH 2080. Statics and Strength of Materials — 3 hrs.
Evaluation of force and force resultants, and reporting of material characteristics and strength, and probable usefulness in the construction of structures. Prerequisite(s): PHYSICS 1511 or PHYSICS 1701; MATH 1150 or MATH 1420. (Fall and Spring)

TECH 2119. Computer Applications in Technology — 3 hrs.
Study of major technology-oriented programming software including spreadsheet applications, technical report writing, database management, and presentation graphics. Applications are introduced as solutions to specific technology problems through programming exercises. (Spring)

TECH 3010. Project Lead The Way: Principles of Engineering — 3 hrs.
This course is part of the nationally certified Project Lead The Way (PLTW) curriculum. Students investigate principle concepts encountered in engineering and related fields. Topics include mechanisms, energy, statistics, materials, and kinematics. Students develop problem-solving skills and apply knowledge of research and design to create solutions to various challenges, document work, and communicate solutions. Prerequisite(s): PHYSICS 1400 or PHYSICS 1511 or PHYSICS 1701. (Variable)

TECH 3024/5024. Solid Modeling and Additive Manufacturing for Design — 3 hrs.
Design and development of 3D solid models, part assemblies, generation of detailed drawings, and kinematic analysis of assembly models using a parametric solid modeling software. Concepts of design for additive manufacturing (AM) introduced at the solid modeling stage for subsequent use in group projects. Students work in collaborative group projects for developing a product (parts and assembly), preparing for AM (3D printing/prototyping the product). Lecture and lab. Prerequisite(s): TECH 1024; TECH 2024; junior standing. (Fall)

TECH 3065. Technology and Organizational Efficiency — 3 hrs.
This course meets the needs of students who have an interest in real world relationships between organizational efficiency and technological innovations. We will discuss the interrelationships among disciplines and the influence of contemporary technology on the industry, culture, and workplace environment. Prerequisite(s): junior standing. (Spring)

TECH 3102. Living in Our Techno-Social World — 3 hrs.
Exploration of the complex relationships between technology and society. Students discover how social systems affect the nature and use of technology and how the nature and use of technology affect social systems. Prerequisite(s): junior standing. (Same as CAP 3102) (Spring)

TECH 3113. Manufacturing Tooling — 3 hrs.
Principles of cutting tools, jigs, fixtures, progressive dies, and gaging; tool geometry, tool life, cost analysis, ergonomics, and safety in tooling design applications. Lecture and lab. Prerequisite(s): TECH 1008; TECH 1010; TECH 1024; MATH 1150 or MATH 1420; CHEM 1020 OR CHEM 1110; PHYSICS 1511 or PHYSICS 1701; TECH 2072; junior standing. (Spring)

TECH 3114. Product Development and Enterprise — 3 hrs.
Application of organizational management practices within a simulated product development and enterprise environment. Activities relate to development and enterprising functions such as financing, designing, producing, and marketing a product. Prerequisite(s): TECH 1008; TECH 1017 or TECH 1022 or TECH 1024; or consent of instructor; junior standing. (Variable)

TECH 3121/5121. Applied Technology Systems — 3 hrs.
Applications and analysis of technology systems. Also includes equipment operation, maintenance, and safety. Prerequisite(s): TECH 1010; TECH 1024; junior standing. Students with AAS degree will be evaluated individually by department. (Variable)

TECH 3127. Transport Phenomena for Technologists — 3 hrs.
Application of fluid flow and heat transfer concepts to material processing including conduction, convection, radiation, Bernoulli's principles, and turbulent flow. Thermodynamic principles are reviewed and applied to heat power cycle systems. Thermal and fluid computational dynamics are covered and applied to physical simulation models. Prerequisite(s): TECH 1024; MATH 1150 or MATH 1420; CHEM 1020 or CHEM 1110; PHYSICS 1511 or PHYSICS 1701; junior standing or consent of instructor. (Spring)

TECH 3129/5129. Linear Control Systems — 3 hrs.
Learning open and closed loop control theory, applications to analogies for modeling and design procedures. Introducing sensors, actuators, PID control, analog controllers, and elementary concepts of dynamic performance and stability. Lecture and lab. Prerequisite(s): TECH 3152; PHYSICS 1511 or PHYSICS 1701; junior standing. (Fall)

TECH 3131. Technical Project Management — 3 hrs.
Project management concepts, needs identification, composition and role of project teams, project communication, related project management techniques, practical implementation, and project management software. Prerequisite(s): junior standing. (Spring)

TECH 3132/5132. Metallurgy and Phase Transformation — 3 hrs.
Advanced principles of metallurgy, properties, microstructural analysis, and heat treatment of metals and alloys used in manufacturing. Transformation kinetics are included. Lecture and lab. Prerequisite(s): CHEM 1020 or CHEM 1110; PHYSICS 1511 or PHYSICS 1701; or consent of instructor; junior standing. (Variable)

TECH 3134. Molding Practices in Metal Casting — 3 hrs.
Study of molding practices used in contemporary metal casting. Prerequisite(s): TECH 2072; CHEM 1020 or CHEM 1110; PHYSICS 1511 or PHYSICS 1701; junior standing or consent of instructor. (Odd Falls)

TECH 3135/5135. Product Design — 3 hrs.
Applied manufacturing design process: design teams define, plan and document design project. Concept generation and evaluation, engineering and product performance specifications, costing, production process, and product support. Prerequisite(s): TECH 2024; junior standing. (Spring)

TECH 3142. Statistical Quality Control — 3 hrs.
Application of quality control tools/techniques to manufacturing and service environments using statistics, sampling techniques, probability, and control charts. Utilization of quality control concepts and strategies such as Lean and Six Sigma. Calculations and interpretations of process controls and process capabilities for continuous improvement. Prerequisite(s): MATH 1140 or MATH 1150 or MATH 1420 or STAT 1772; junior standing or consent of instructor. (Fall and Spring)

TECH 3143. Managing Operations and Manufacturing Systems — 3 hrs.
Operations management (OM) principals for production of both goods and services through the basic functions of the management process, consisting of planning, organizing and controlling in order to make strategic decisions with the goal of improving operational efficiency. Topics include: forecasting, project management, process

and location strategies, plant layout, staffing and balancing, inventory control, material requirements planning and short-term scheduling. Prerequisite(s): MATH 1140 or MATH 1150 or MATH 1420 or STAT 1772; junior standing or consent of instructor. (Fall and Spring)

TECH 3144. Web Publishing — 3 hrs.
Development of interactive Web sites with content management tools. Emphasis on creating Website for accessibility and usability, digital content management, and site layout and maintenance. Lecture on current graphics' industry issues and hands-on Web publishing activities. Prerequisite(s): junior standing. (Spring)

TECH 3147. Computer Aided Manufacturing — 3 hrs.
Advanced programming for CNC machines, machining parameters, machining centers, turning centers, CAM application programs to create part geometry, tool paths, machining parameters, and post process NC code. Robot programming using simulation software. Prerequisite(s): TECH 1010; TECH 1024; TECH 2060; junior standing or consent of instructor. (Odd Springs)

TECH 3148. Machine Design — 3 hrs.
Principles of design for machine elements, failure analysis, static and dynamic loads. Machine elements include power transmission elements such as fasteners, gears, belts, chains, shafts, keys, couplings, clutches, brakes, springs, bearings. Prerequisite(s): MATH 1150 or MATH 1420; PHYSICS 1511 or PHYSICS 1701; TECH 2080; Junior Standing or Consent of Instructor. (Fall)

TECH 3150/5150. Graphic Communications Imaging — 3 hrs.
Explorations of conventional graphic arts imaging technologies and processes including screen printing processes, dye sublimation, and other conventional imaging technologies. Emphasis on technical information and hands-on experiences. Prerequisite(s): TECH 2070; junior standing. (Spring)

TECH 3152. Advanced Analog Electronics — 3 hrs.
Amplifier and oscillator circuits using discrete electronic devices, principle of feedback, ICs - SSI, MSI and LSI, operational amplifiers, electronic circuits using OP-AMPs, measurement and simulation techniques, regulated power supplies, industrial applications of ICs, troubleshooting techniques. Lecture and lab. Prerequisite(s): TECH 1037; TECH 1039; TECH 2041. Prerequisite(s) or corequisite(s): MATH 1150 or MATH 1420; sophomore standing. (Spring)

TECH 3156. Advanced Digital Electronics — 3 hrs.
Arithmetic circuits, sequential logic circuit analysis and synthesis, counters and registers, shift registers, memory devices, digital and analog interfaces, ADC, DAC, and Multiplexing. Lecture and lab. Prerequisite(s): TECH 1037; TECH 1039; TECH 2042 or CS 1410; sophomore standing. (Spring)

TECH 3157/5157. Microcontroller Applications — 3 hrs.
Microcontroller technology applied to real-time industrial problems; survey of industrial computer hardware, networking, and software. Lecture and lab. Prerequisite(s): TECH 3152; TECH 3156; CS 1160 or consent of instructor; junior standing. (Fall)

TECH 3160/5160. Computer-Aided Instrumentation and Interfacing — 3 hrs.
Computer-aided instrumentation and interfacing; real-time industrial data acquisition hardware and software; sensors, signal conditioning; design and debugging of data acquisition systems using software tools. Lecture and lab. Prerequisite(s): TECH 2042; junior standing. (Spring)

TECH 3163/5163. Advanced Digital Pre-Media — 3 hrs.
An advanced look into using industry standard applications and technology, this course course introduces students to the essentials of preparing a file for different mediums including print, web, and electronic media. An in-depth look into electronic file development, digital prepress techniques, variable data implementation, interactive pdf creation, color management and epublishing. Prerequisite(s): TECH 2070; junior standing. (Fall)

TECH 3164. Programmable Logic Controllers (PLCs) — 3 hrs.
Introduction to PLCs, Basic Modes of Operation Ladder Logic Diagrams, industrial applications, sequencers, bit-wise operations, arithmetic operations, and conditional branching. Lab activities and projects. Prerequisite(s): sophmore standing. (Spring)

TECH 3166/5166. Advanced Electrical Power Systems — 3 hrs.
Analysis, modeling, simulation, and operation of electrical utility, commercial, and industrial power systems. Voltage-drop calculations, voltage regulation, system protection, faults, and harmonics. Power quality in industrial power systems. Lecture and lab. Prerequisite(s): TECH 2038; MATH 1150 or MATH 1420; PHYSICS 1511 or PHYSICS 1701; junior standing. (Spring)

TECH 3169. Digital Imaging — 3 hrs.
Photography fundamentals for digital imaging. Emphasis on developing calibration, creating profiles for digital cameras, imaging technologies, and output devices. Lecture and hands-on capturing and manipulating digital images for cross applications and content management. Prerequisite(s): TECH 2070. (Fall)

TECH 3177. Advanced Manufacturing Processes — 3 hrs.
Engineering analysis of different shaping processes; Non-traditional machining processes, Additive manufacturing, semiconductor manufacturing, IC fabrication and packaging, microfabrication and nanofabrication technologies; Principles and concepts of green/ sustainable manufacturing concepts; Fundamentals of production lines for material handling and assembly, application of robotics for manufacturing, introduction to smart manufacturing (Industry 4.0). Prerequisite(s): PHYSICS 1511 or PHYSICS 1701; MATH 1150 or MATH 1420; TECH 1008; TECH 1010; TECH 1024; TECH 2060; junior standing. (Odd Falls)

TECH 3180. Lean and Sustainable Operations — 3 hrs.
Introduction to lean systems and concepts - basic philosophy of reducing waste in areas of production, processing, inventory, transportation, waiting time and scrap generation - to reduce cost and production time and to improve quality and sustainability in the design, production and operations of goods and services. Prerequisite(s): MATH 1150 or MATH 1420 or STAT 1772; junior standing or consent of instructor. (Spring)

TECH 3182/5182. Coordination of Techniques in Career and Technical Programs — 2 hrs.
Planning, organization, development, and teaching of cooperative or multi-occupational programs in career and technical education. Prerequisite(s): junior standing. (Variable)

TECH 3183. Fundamentals of Manufacturing Engineering — 3 hrs.
Application of technical knowledge to solve industrial problems within the functional area of manufacturing engineering. Preparation for examination through the manufacturing Engineering Certification Institute. Prerequisite(s): junior standing or consent of instructor. (Variable)

TECH 3192/5192. Non-Destructive Evaluation of Materials/ Scanning Electron Microscopy — 3 hrs.
Non-destructive evaluation of materials using such techniques as x-ray, gamma ray, liquid penetrant tests, magnetic particle, eddy currents, SEM, etc. Prerequisite(s): TECH 2072 or TECH 3132/5132; junior standing. (Variable)

TECH 3196. Industrial Safety — 3 hrs.
Examination of the directives mandated for General Industry (29 CFR Part 1910) of the Occupational Safety and Health Administration (OSHA). Emphasis on developing and implementing a comprehensive safety and health program. Introductory discussions on understanding environmental regulations are presented. Prerequisite(s): sophomore standing. (Fall and Spring)

TECH 4000/5000. Wind Energy Engineering — 3 hrs.
Fundamentals and history of wind power. Operation, control, applications, types of wind turbines. Stand alone, grid connectivity, transmission, economic and management issues regarding the adoption of wind as an energy source. Technical, political and economic implications. Prerequisite(s): junior standing. (Variable)

TECH 4093/5093. Graphic Communications Estimating and Management I — 3 hrs.
Study of traditional and modern project management workflow principles in the traditional print publishing industry and web-to-print publishing. This course also studies the development of marketing strategies for variable data printing and ancillary services. Prerequisite(s): TECH 1055; TECH 2119; junior standing. (Fall)

TECH 4103/5103. Electronic Communications — 3 hrs.
Basic communication concepts including propagation, modulation, demodulation, receivers, transmitters, antennas, transmission lines, digital coding, pulse modulation and other digital/data communication techniques. Introduction to fiber-optic and satellite communications. Lecture and lab. Prerequisite(s): TECH 3152; TECH 3156; MATH 1150 or MATH 1420; junior standing. (Fall)

TECH 4104/5104. Applied Digital Signal Processing — 3 hrs.
Introduction to discrete-time signals and systems, digital sampling theory, discrete Fourier transform, Z transform, and FIR/IIR filter design. Projects and labs based on MATLAB and DSP development kit (TMS320C5510) will be performed. Lecture and lab. Prerequisite(s): TECH 3156 or CS 1410; CS 1160 or CS 1130; junior standing. (Spring)

TECH 4110/5110. Manufacturing Process Planning — 3 hrs.
This course deals with the best practices used in industry to design and manufacture successful products. Product cycle in manufacturing, product quality, part design for producibility, part design analysis, tolerance stacking, process design and development, operation selection, manufacturing process selection, tooling selection, tolerance charting, process parameter selection, cost estimation, economics of process planning. Prerequisite(s): CHEM 1020 or CHEM 1110 ; PHYSICS 1511 or PHYSICS 1701; MATH 1150 or MATH 1420; TECH 1008; TECH 1010; TECH 2024; TECH 2060; TECH 2072; ENGLISH 3772/5772 (undergraduates) or ENGLISH 5772 (graduates); junior standing. (Fall)

TECH 4136. Melting Metallurgy and Practices — 3 hrs.
Advanced course in the principles of metal melting practices with an emphasis on microstructural evolution and thermodynamic reactions. Topics include basic melting practices for ferrous and non-ferrous metals. Processing considerations are covered in relation to developed microstructure and refractory reactions. Prerequisite(s): TECH 2072; MATH 1150 or MATH 1420; CHEM 1020 or CHEM 1110; PHYSICS 1511 or PHYSICS 1701; junior standing or consent of instructor. (Even Falls)

TECH 4137. Tooling Practices in Metal Casting — 3 hrs.
Advanced course in the principles of foundry tooling design including selection of pattern materials, rapid prototype development techniques, gating and riser design, and basic core box production techniques. Prerequisite(s): TECH 2072; MATH 1150 or MATH 1420; CHEM 1020 or CHEM 1110; PHYSICS 1511 or PHYSICS 1701; junior standing or consent of instructor. (Even Springs)

TECH 4155/5155. Finite Element Analysis — 3 hrs.
Fundamental concepts of the finite element method for linear stress and deformation analysis of mechanical components. Development of truss, beam, frame, plane stress, and plane strain elements. Practical modeling techniques and use of general-purpose codes for solving practical stress analysis problems. Prerequisite(s): TECH 2080; MATH 1150 or MATH 1420; PHYSICS 1511 or PHYSICS 1701; junior standing. (Variable)

TECH 4158/5158. Graphic Communication Data Visualization — 3 hrs.
Development of data visualizations based on best practices for layout and communication, utilizing digital graphics techniques and current technologies. Analyzing and manipulating databases to prepare and execute variable data output. Lecture and skills development for creating data-based graphics, charts, and technical presentations. Prerequisite(s): TECH 2070; TECH 2119; junior standing. TECH 2119 is waived for non-Graphic Technology majors. (Fall)

TECH 4161. Digital Graphic Communications — 3 hrs.
Emphasis on contemporary and future issues in the graphic communications industry. Study of the creation and conversion of graphics for cross-media applications for print and the Internet. Creative problem solving and portfolio development. Prerequisite(s): TECH 2070; junior standing. (Spring)

TECH 4162. Automation - Pneumatics and Hydraulics — 3 hrs.
Basic application of hydraulics and pneumatics towards industrial automation. It includes hydraulic pumps, cylinders, valves, motors, fluid logic control and electrical devices used in fluid control. Pneumatic circuits and applications. Robotics, safety, structured programming, I/O instructions, material handling operations, robot calibration. Prerequisite(s): MATH 1150 or MATH 1420; PHYSICS 1511 or PHYSICS 1701; TECH 2060. (Fall)

TECH 4165/5165. Wireless Communication Networks — 3 hrs.
Topics include wireless transmission fundamentals, protocols and TCP/IP suites, cellular wireless networks, Mobile IP, wireless LAN technologies, IEEE 802.11 and IEEE 802.15 standards, and security issues in wireless networks. Lecture and lab. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): TECH 4103/5103 or CS 3470/5470. (Fall)

TECH 4167/5167. Power Electronics Applications — 3 hrs.
Theory and industrial applications of solid-state electronic devices for control and conversion of electrical power. Fundamentals of power computations. Analysis/design of power converter circuits and components: single and 3-phase rectifiers, DC-DC, AC/AC converters, and inverters. Prerequisite(s): TECH 3152; junior standing. Prerequisite(s) or corequisite(s): TECH 2038. (Spring)

TECH 4178/5178. Contemporary Instruction in Technology Education — 3 hrs.
Inquiry into recent applications in instructional strategies and content, including research, development, and management of modular

technology instructional systems. Prerequisite(s): TECH 1019 or consent of instructor; junior standing. (Spring)

TECH 4184/5184. Digital Imaging II — 3 hrs.
Students will explore digital imaging formats in a lab-based, hands-on environment. Topics include color calibration and printing large format images, as well as workflow and production issues, color pre-press and digital formats appropriate to multiple media. Prerequisite(s): TECH 3169; junior standing. (Spring)

TECH 4187. Applied Industrial Supervision and Management — 3 hrs.
Application of day-to-day planning, organizing, staffing, leading, and controlling of people, goods and services. Topics include problem solving, leadership, teamwork, coaching and communication, training, safety, ethics, equal opportunity employment, stakeholder engagement, and best practices of supervision and management. Prerequisite(s): junior standing. (Fall and Spring)

TECH 4193. Graphic Communication Estimating and Management II — 3 hrs.
Exploration of workflow systems for cost and pricing associated with the graphic imaging industry and web-to-print publishing. Prerequisite(s): TECH 4093/5093; junior standing. (Spring)

TECH 4198. Independent Study.
(Variable)

TECH 4210. Manufacturing Senior Projects — 3 hrs.
Cross-disciplinary teams work to research and develop a project with industrial partners. Conception phase includes problem identification, product development and testing, cost analysis, and/or process planning. Prerequisite(s) or corequisite(s): TECH 4110/5110; senior standing or consent of instructor. To be taken in the last semester of undergraduate program. (Fall and Spring)

TECH 4220. Senior Design — 3 hrs.
Senior Design represents the practical execution of the technological skills, theory and knowledge students have gained from all sources through their college career. This course is a capstone experience, which requires both teamwork and individual skills in solving a modern industrial problem. The purpose of the senior design course is to bridge the gap between academic theory and real world practice by continuing learning. Students will be introduced to the ethical responsibilities of design and the impact of engineering solutions on society. Individual and/or team projects. Collaboration with local industry, government agencies, or research institutions is encouraged. Prerequisite(s): declared Electrical Engineering Technology (EET) major; completion of at least six EET major courses; senior standing or consent of instructor. Prerequisite(s) or corequisite(s): ENGLISH 3772/5772. (Spring)

TECH 4290/5290. Project Lead The Way: Digital Electronics — 3 hrs.
Introduction to the theory and applications of analog and digital electronics utilizing the Digital Electronics curriculum from the nationally certified Project Lead The Way (PLTW) curriculum. Especially intended for science and technology K-12 education majors to become certified PLTW teachers of this course. Prerequisite(s): PHYSICS 1511 or PHYSICS 1400 or PHYSICS 1701; junior standing. (Same as PHYSICS 4290/5290) (Variable)

TECH 6100. Engineering Cost Analysis — 3 hrs.
Principles of economic factors in engineering project evaluation, planning and implementation. Engineering decision analysis, money-time relationships, measures of investment, break-even method, cost-benefit ratio, risk management. Engineering projects analyzed/justified. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Odd Falls)

TECH 6225. Integrated Logistics and Production Operations — 3 hrs.
Study of analysis, design, and issues integrating logistics and supply operations in technological organizations. Includes sourcing and supply systems, process/product development activities, supply chain practices and quality considerations. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Variable)

TECH 6231. Thermodynamics of Material Processing — 3 hrs.
Application of thermodynamic principles and energy changes associated with processing of metals, ceramics and polymers. Concepts such as mass and energy balances, fundamental laws of thermodynamics, Gibb's free energy, and activity of binary liquid and solid solutions. Prerequisite(s): Admitted to the MS Technology Program/Metal Casting Emphasis OR Instructor Consent. (Odd Falls)

TECH 6235. Material Transformations and Modeling — 3 hrs.
Material transformation topics such as solidification science, micro- and macro- segregation principles, fluid flow of Newtonian and non-Newtonian liquids, and advanced solid state transformations are covered and directly correlated to material modeling techniques. Prerequisite(s): Admitted to the MS Technology Program/Metal Casting Emphasis OR Instructor Consent. (Even Falls)

TECH 6239. Foundry Management — 3 hrs.
The graduate level course integrates concepts of foundry operations management to understand how casting design, material and energy cost analysis, process operations, and scheduling is critical in determining product costs. Using a complete departmental approach in analyzing foundry operations, each area of the casting process is analyzed to determine their management functionality, operations, and their associated cost to the final casting price. The course is designed to be a project based course, starting with a casting design and developing the initial tooling associated with the design. As part of the final cost analysis, student teams have to identify all functions and operations of each departmental areas such as raw materials for the casting process, inspection equipment, and environmental/safety regulations. Prerequisite(s): Admitted to the MS Technology Program/Metal Casting Emphasis OR Instructor Consent. (Even Springs)

TECH 6242. Complex Digital System Design — 3 hrs.
Complex digital systems design at the logic gate level. Basic structure, sub programs, packages and libraries of VHDL; combinational/sequential logic design with VHDL; VHDL simulation and synthesis, FPGA implementation. Projects and labs using Xilinx Spartan-3 FPGA development kit. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Odd Springs)

TECH 6244. Applied Embedded Systems — 3 hrs.
Design and implementation of microcontroller-based embedded computing systems to solve real-world problems. Methodologies, hardware platforms, software design and analysis, embedded OS, real-time scheduling, mixed signal processing, hardware accelerators, low power optimization. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Even Falls)

TECH 6250. Technology of Productivity Improvement — 3 hrs.
Exploration of productivity as an operational concept; analysis of productivity in industrial settings to seek improvement through technical and managerial expertise. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Variable)

TECH 6258. Total Quality Management — 3 hrs.
Managerial, technological, behavioral, and statistical concepts applied to total quality management. Quality management philosophies, continuous improvement, productivity, and issues affecting quality that apply to manufacturing, service, and technological organizations. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Odd Springs)

TECH 6275. Advanced Lean and Sustainable Operations — 3 hrs.
Skills and techniques in Lean principles applied to manufacturing and service industries: Lean enterprises, process development, supply networks, JIT tools - SMED, Kaisen, 5S, Poka-yoke, value stream mapping, time studies, motion studies, ergonomics, sustainability, sustainable operations, and carbon footprint calculations. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Odd Falls)

TECH 6282. Technology Seminar — 1 hr.
Selected advanced topics in technology and engineering technology as needed. May be repeated for a maximum of 3 hours. (Variable)

TECH 6288. Master Internship/Project — 3 hrs.
Masters' students may choose to do an internship or a research project, but not both. An internship is a supervised practicum in an industrial organization, public service agency, or education setting. A research project is a major industrial assignment ending with a measured deliverable with a substantial written report required. Approval by department graduate advisor is required for registration. Students should not take this course during their first semester. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Variable)

TECH 6292. Research Methods in Technology — 3 hrs.
Introduction to research and scholarly investigation. Critical Analysis of Research, Research Problem Purpose, Characteristics of Good Research Questions, Hypothesis Variables, The Value of a Literature Review, Purpose, Need, Validity, Reliability, Quantitative Research Methodologies, Experimental Research, Correlational Research, Causal - Comparative Research, Samples, Survey research, Qualitative Research methodologies, Historical, Ethnographic Research, Individual exploration of possible thesis topics, Research proposal, Presentation methods. (MS students should not take this during their first semester). Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Spring)

TECH 6295. Advanced Management and Supervision Technology — 3 hrs.
Development of knowledge, skills, and advanced application experiences of management technologies utilized in industrial supervision and management. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Even Falls)

TECH 6299. Research (Master's Thesis).
Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Fall and Spring)

TECH 6300. Advanced Technical Project Management for Engineering and Technology — 3 hrs.
Technical project management and system management ensure technical progress toward objectives, proper deployment and conversation about human and financial resources, and achievement of cost and schedule targets. The course focuses on technical, industrial systems development, scheduling technical project planning and control; structuring performance measures and metrics; technical teams and technical project management. Prerequisite(s): Admitted to the MS Technology Program OR Instructor Consent. (Odd Springs)

TECH 6400. Introduction to Applied Systems Engineering Management — 3 hrs.
This course presents the foundations of operational analysis, systems engineering architecture, systems engineering, and project management, in at integrated format. Through a synchronized combination of in-class lectures, industrial guest speakers, and individual and team assignments, this course provides an overall perspective for corporate decision making using a systems of systems approach. Prerequisite(s): consent of department. (Fall)

TECH 6420. Systems Engineering Architecture — 3 hrs.
Systems Engineering Architecture combines the structure of all engineering systems, elements and the tactical insights of operational planning to deliver a specific capability, element or product. This course takes an analytical and data-driven approach to decompose and analyze the constituent parts of a mission in order to identify measurable trade-offs and draw conclusions. Prerequisite(s): TECH 6400. (Fall)

TECH 6440. SMART Industrial Development - Systems Simulation — 3 hrs.
As systems/products/processes grow increasingly complex to meet the demands of the contemporary global market, companies are challenged to consistently deliver high-quality products under tighter and tighter budgets and schedules. This SMART Development course provides a multidisciplinary set of tools and techniques for understanding, organizing, and managing the complexity of product development throughout the product life cycle. This course brings together current industry best practices to ensure robust, cost-effective approaches that meet stringent functional, performance, and cost requirements. Prerequisite(s): TECH 6400. (Spring)

TECH 6460. Life Cycle Applications — 3 hrs.
This course provides a comprehensive overview of the applied solution design and management system acquisition life-cycle management, technical and business processes. The course also presents the program management integration process that ties them all together. The course goal is to immerse the students in applied system design management, acquaint them with the specialized terminology, familiarize them with the roles of the primary life cycle stakeholders and demonstrate how it all fits together. Prerequisite(s): TECH 6400. (Spring)

TECH 6500. Systems Engineering Management Capstone Project — 6 hrs.
This course applies knowledge from the previous courses in the Applied Systems Engineering Management program to a live corporate issue. Prerequisite(s): TECH 6400; TECH 6420; TECH 6440; TECH 6460. (Summer)

TECH 7300. DIT Post Comprehensive Registration.
(Fall and Spring)

TECH 7386. Studies in Microgrids in Electrical Power Systems — 3 hrs.
Studies in Microgrids in Electrical Power Systems

TECH 7388. Doctoral Internship — 3-6 hrs.
Offered in education and industry to provide practical experience in teaching, supervision, administration, or management. May be taken once in educational environment and once in industrial environment. Prerequisite(s): consent of advisor; advancement to candidacy; completion of at least 21 semester hours in required core. (Fall and Spring)

TECH 7399. Research (Doctoral Dissertation).
Prerequisites: successful completion of 40 credit hours in approved program of study, internship, and approval of dissertation proposal. (Fall and Spring)

Technology Construction Management Courses (TECH CM)

Courses

TECH CM 1000. Introduction to Construction Processes — 3 hrs.
Acquaint students with the many facets related to construction processes by identifying roles and responsibilities within the construction industry. Students will be exposed to construction with hands on projects. (Fall and Spring)

TECH CM 1050. Construction Safety — 3 hrs.
Examine the safety practices for the construction industry. Students will receive OSHA certified 30-Hour training during this course and understand the concepts of a Worksafe Program including regulations, safety audits, and costs impacting a company. Prerequisite(s): sophomore standing. (Fall)

TECH CM 1100. Construction Documents — 3 hrs.
Introduction to construction blueprint/plan and specification reading and how documents are created. Students will understand the relationship between plans and specs and how they impact the job. Exposure to old plan reading processes as well as new digital processes. Exposure to a physical 3D building as it relates to 2D prints so students can gain vision from concept to finished product. Prerequisite(s): TECH CM 1000. (Spring)

TECH CM 2000. Land, Route, and Construction Surveying — 3 hrs.
Basic principles of construction surveying equipment, techniques, building layout and calculations. Training with surveying equipment such as automatic levelers, laser levelers, GPS, and total stations. Lecture and lab format. Prerequisite(s): MATH 1140 or MATH 1150. (Fall)

TECH CM 2050. Construction Law — 3 hrs.
Examination of construction contract principles, construction documents, and the component parts of law affecting construction operations. (Fall)

TECH CM 2100. Mechanical Systems in Construction — 3 hrs.
Basic principles, methods, and equipment pertaining to building mechanical systems (heating, cooling, ventilation, and plumbing) related to human health and comfort. Prerequisite(s) or corequisite(s): TECH CM 1100. (Spring)

TECH CM 3000/5000. Civil Construction — 3 hrs.
Examination of systems and operational procedures used to construct commercial, heavy and highway projects. Analysis/design of airports and highways. Earthmoving, dewatering, and construction economics. Prerequisite(s): TECH CM 1100; junior standing. Prerequisite(s) or corequisite(s): TECH CM 2000. (Fall)

TECH CM 3050. Construction Estimating — 3 hrs.
Construction cost analysis techniques for estimating materials, labor, equipment, and subcontracting costs in commercial building construction. Prerequisite(s): TECH CM 1100. (Fall)

TECH CM 3100. Electrical Construction Materials and Methods — 3 hrs.
Basic principles of electricity and materials. Methods of electrical system designs in building construction. Prerequisite(s): TECH CM 1100. (Fall)

TECH CM 3150/5150. Construction Project Planning, Scheduling and Control — 3 hrs.
Examine the construction process of a construction project as it relates to scheduling and planning. Students will gain exposure to planning and scheduling software while understanding the order of operations as it pertains to project workflow and following the critical path. Prerequisite(s): TECH CM 3050; junior standing. (Fall)

TECH CM 3250. Computerized Project Management — 3 hrs.
Utilization of contemporary and emerging project management software. Further develop understanding of construction management and the softwares associated with estimating, project control, and construction document softwares. Prerequisite(s): TECH CM 3050; junior standing. (Spring)

TECH CM 4050/5050. Construction Management — 3 hrs.
Management concepts in construction: business methods, finance, decision making, labor relations, marketing, quality control, marketing and computer applications. Analysis of office and field problems. Prerequisite(s): TECH CM 3250; junior standing. (Fall)

TECH CM 4200/5200. Structural Components of Construction — 3 hrs.
Examine structural construction materials such as concrete, steel, and wood structural components. Understand the process and methods of how these structural components are erected and how applying loads impact the structure. Prerequisite(s): TECH 2080; junior standing. (Fall)

TECH CM 4300/5300. Construction Technology and Innovation — 3 hrs.
Examine the most up to date construction technologies and methods as they relate to efficiency, sustainability, and productivity. Study industry current topics, news, and events. Discuss the future of the industry by having open discussions with innovators in the industry. Prerequisite(s): junior standing. (Spring)

TECH CM 4400. Construction Management Senior Project — 3 hrs.
Develop preconstruction services: estimating, project scheduling, project management matrix, quality control, and safety plan, etc. for presentation of request for proposal on a current project. Students will be exposed to project team work and typical pre construction processes and tasks in order to be awarded projects. Prerequisite(s): TECH CM 3150/5150; TECH CM 4050/5050; ENGLISH 3772/5772; senior standing. (Spring)

Technology Engineering Education Courses (TECH TEE)

Courses

TECH TEE 1000. Introduction to Technology and Engineering Education — 3 hrs.
Evolution, philosophy and contemporary approaches in technology and engineering education. Examination of career opportunities and curriculum design. This course will explore the historical and

philosophical background, contemporary approaches, trends, and the role of technology and engineering education, as well as Career and Technical education in the total school curriculum. The course will specifically explore what it means to be a professional educator and will specifically look at the role of engineering design and innovation in a STEM curriculum as well as developing curriculum for Technology and Engineering and CTE Classrooms. (Fall)

TECH TEE 2020. Transportation Technology — 3 hrs.
Students will develop the requisite skills to build solutions to transportation challenges provided in class; as well as perform small engine repair and/or rebuild. (Spring)

TECH TEE 3030. Robotics and Sensors — 3 hrs.
Students will build their own autonomous robot. Students will learn and apply basic electronics, programming, physics concepts to develop their robot and create an interactive presentation on their creation. These robotics concepts will also be applied to important issues for industry and sustainability in the areas of automation, energy, and transportation. Lecture 1 period, Lab, 3 periods. Prerequisite(s): PHYSICS 1511 and PHYSICS 1512, or PHYSICS 1701 and PHYSICS 1702, or TECH 1037 or CS 1510. Other interested students with some experience in coding and/or electronics experience are encouraged to contact the instructor. (Same as PHYSICS 3030) (Variable)

TECH TEE 3100/5100. Technology and Engineering Education Curriculum Planning — 3 hrs.
Development of programs and courses for technology and engineering education and related fields including content decision-making, delivery strategies, and student/program evaluation. Prerequisite(s): TECH 1019 or TECH TEE 1000; junior standing. (Spring)

TECH TEE 3150/5150. Technology & Engineering Education Lab Management — 3 hrs.
Design of safe and effective facilities for technology and engineering education and related fields, facility and classroom management, and development of a safety program. Prerequisite(s): TECH TEE 1000; junior standing. (Spring)

TECH TEE 4100. Technology and Engineering Education Level 3 Teaching Experience — 1 hr.
Students in the TEE program are required to complete 4 levels of teaching experiences. This is the level 3 experience. Students are expected to complete a number of hours of observation as well as delivering some content in the classroom under the supervision of the cooperating teacher. Prerequisite(s): junior standing. Corequisite(s): TECH TEE 4200/5200. (Fall)

TECH TEE 4200/5200. Technology and Engineering Education Methods — 2 hrs.
Methods of teaching in technology and engineering education and related fields, including group and individualized strategies. This class must be completed with a minimum grade of C prior to student teaching. This course helps fulfill a core requirement for undergraduate students seeking a Bachelor of Arts Degree in the Technology Education Program and the Bachelor of Science in Technology and Engineering Education Program at UNI; as well as the methods requirement for the BOEE CTE Authorization. Prerequisite(s): TECH TEE 1000; TEACHING 2017; junior standing. (Fall)

TECH TEE 4300/5300. Career and Technical Education Methods — 2 hrs.
Methods of teaching in career and technical education and related fields, including group and individualized instructional strategies. Prerequisite(s): junior standing. (Summer)

TESOL/Applied Linguistics Courses (TESOL)

Courses

TESOL 2015. Language Today — 3 hrs.
Examination of linguistic diversity within the U.S. with a focus on how language use is related to personal and group identity. (Fall)

TESOL 3550. Constructing Cross-Cultural Bridges — 3 hrs.
Within a Study Abroad experience, exploring multiple components of a specific culture firsthand; attention to the interrelationships among various cultural components such as history, religion, social values and practices, community organization, and language; course activities and requirements designed to increase intercultural understanding and effective interactions among individuals across different cultures. (Same as LANG 2020) (Summer)

TESOL 3565. Intercultural Perspectives — 3 hrs.
An interdisciplinary approach for understanding intercultural perspectives and developing effective intercultural skills for meeting the challenges of today's interconnectedness of societies and cultures both locally and globally. (Same as CAP 3165 and GER 3334) (Variable)

TESOL 4110/5110. The Structure of English — 3 hrs.
Linguistic analysis of phonology, syntax, and semantics in modern American English; study of language development and regional and social variation. No credit if prior credit in TESOL 4120/5120. Prerequisite(s): junior standing or consent of TESOL major advisor. (Fall and Spring)

TESOL 4120/5120. Introduction to Linguistics — 3 hrs.
Overview of phonetics, phonology, morphology, syntax, and semantics in a variety of languages; includes study of development in first and second languages as well as study of regional and social variation. Prerequisite(s): junior standing or consent of TESOL major advisor. (Fall and Spring)

TESOL 4140/5140. History of the English Language — 3 hrs.
Developmental survey of the English language from its beginnings to the present as a product of linguistic change and variation, political history, and social attitude. Prerequisite(s): TESOL 4120/5120 or TESOL 4110/5110; junior standing. (Variable)

TESOL 4198. Independent Study.
(Fall and Spring)

TESOL 4310/5310. Modern English Grammar and Usage — 3 hrs.
Intensive examination of English grammar, mechanics, and usage; rules of punctuation, spelling, syntax, and usage related to oral and written forms of English; discussion of the teaching of grammar. Prerequisite(s): junior standing. (Variable)

TESOL 4340/5340. English Grammar: Form and Function — 3 hrs.
Investigation of the grammatical system of English; focus on form as well as function. Strategies for analysis and teaching grammatical forms and functions. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): TESOL 4120/5120 or TESOL 4110/5110. (Variable)

TESOL 4350/5350. Phonetics, Phonology, and Language Teaching — 3 hrs.
This course offers an introduction to basic aspects of phonetics, phonology, and second language speech development, and their pedagogical application to teaching English pronunciation. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): TESOL 4120/5120 or TESOL 4110/5110. (Variable)

TESOL 4510/5510. Language Development — 3 hrs.
Study of contemporary theory and research in first and second language acquisition with applications for teaching English to non-native speakers. Prerequisite(s): junior standing. (Variable)

TESOL 4520/5520. Cultural Aspects of Language and Language Teaching — 3 hrs.
Investigation of the relationship between language and culture and the interactions among language, social institutions, cultural beliefs, and individual behavior. Applications for teaching and learning language in use in real life contexts. Prerequisite(s): TESOL 4120/5120 or TESOL 4110/5110; junior standing. (Variable)

TESOL 4540/5540. Sociolinguistics — 3 hrs.
Study of language and society, including language variation associated with such factors as geography, socioeconomic class, and gender. Prerequisite(s): TESOL 4120/5120 or TESOL 4110/5110; junior standing. (Variable)

TESOL 4710/5710. Applied English Linguistics for Educators — 3 hrs.
Insights from linguistics and second language acquisition applied to teaching emergent bilingual students in content area classes; for prospective and current teachers of content area subjects (i.e., English). Prerequisite(s): TESOL 4120/5120 or TESOL 4110/5110; junior standing. (Variable)

TESOL 4720/5720. Bilingualism and Bilingual Education — 3 hrs.
Trends in bilingual education and current approaches to meeting the needs of emergent bilingual learners. Topics include theories, policies, and classroom practices related to bilingualism in education. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): TESOL 4120/5120 or TESOL 4110/5110. (Variable)

TESOL 4760/5760. Language Teaching Methods ll — 3 hrs.
Pedagogical principles and practical guidelines for developing effective teaching practice including adaptations for varied cultural contexts. Topics include: language acquisition, the four skills (reading, writing, speaking, listening), lesson planning, design and adaptation of instructional materials, and curriculum development. Prerequisite(s): TESOL 4110/5110 or TESOL 4120/5120; junior standing. (Spring)

TESOL 4770. Undergraduate TESOL Practicum — 3 hrs.
Observation and practice teaching in elementary and secondary ESL classrooms. Emphasis on educational program models present in U.S. schools and on best practices in meeting the needs of English Language Learners in these environments. Attention to the requisites and realities of teaching within the State of Iowa, including assessment, reporting, and standards. Prerequisite(s) or corequisite(s): LANG 4740/5740 or TESOL 4760/5760. (Fall)

TESOL 6100. Introduction to Graduate Study in TESOL/Applied Linguistics — 3 hrs.
Introduction to sources, tools, and techniques in graduate-level study and research in TESOL and language sciences. (Fall)

TESOL 6289. Seminar in Language — 3 hrs.
Topic listed in Schedule of Classes. May be repeated for credit on different topics. (Fall and Spring)

TESOL 6297. TESOL Practicum.
Graduate-level student teaching of English as a second language. Prerequisite(s): consent of instructor. (Fall and Spring)

TESOL 6510. Second Language Acquisition — 3 hrs.
Historical background and methodology of second language acquisition research; current theories of acquisition and learning; role of individual and societal variables in language learning. (Variable)

TESOL 6740. Computer Assisted Language Learning (CALL) — 3 hrs.
Exploration of purposes, applications, and roles of computers in language learning and language testing; application to skills of reading, writing, listening, and speaking. Use of Internet resources and tools. (Variable)

TESOL 6760. Language Testing — 3 hrs.
Examination of basic approaches and techniques for constructing and interpreting language tests. (Variable)

Textiles and Apparel Courses (TEXDSGN)

Courses

TEXDSGN 1000. Fashion Culture and Industry — 3 hrs.
An introduction to the textiles and apparel industry, with a focus on understanding the cultural, social and economic impact of the fashion industry. The class includes projects focused on the role of innovative ideas within the industry, exploring career opportunities, and following contemporary fashion trends. (Fall and Spring)

TEXDSGN 1002. Textile Science — 3 hrs.
Fundamentals of textiles as related to the production, sale, and use of apparel, interiors, and other products. Laboratory experiences related to the identification of fibers, yarns, and fabrics. (Fall and Spring)

TEXDSGN 1003. Creative Textile and Apparel Design Foundations — 3 hrs.
Investigation of elements and principles of design as they apply to textiles and apparel. (Fall)

TEXDSGN 2004. EuroAmerican Fashion Design History — 3 hrs.
Euro-American Apparel Design History from the Greek period to the end of the twentieth century. (Variable)

TEXDSGN 2005. Fashion Event Planning and Digital Marketing — 3 hrs.
Promotion and digital marketing as used within the textile and apparel industry. Includes marketing strategies, media selection and use, planning and budgetary processes, publicity, special event planning. (Spring)

TEXDSGN 2007. Apparel Assembly and Technical Design — 3 hrs.
Introduction to the development and assembly methods of apparel products and the relationship to product aesthetics, qualify, performance, and cost. Focus on apparel manufacturing processes and specification sheets. Prerequisite(s): TEXDSGN 1002. (Fall)

TEXDSGN 2008. Computer Applications for the Textile and Apparel Industry — 3 hrs.
Introduction to commonly used computer aided design (CAD) software as applied to both apparel product development and textile design. Knowledge of basic computer skills is required. Prerequisite(s) or corequisite(s): TEXDSGN 1003. (Fall)

TEXDSGN 3009. Textile Structures & Sourcing — 3 hrs.
Structural and functional aspects of textile yarns and fabrics. Manufacturing techniques are related to physical properties of yarns and fabrics used in apparel and other end uses, with a focus on textile and apparel product development. Prerequisite(s): TEXDSGN 1002. (Variable)

TEXDSGN 3010. Quality Assurance for Textile Materials — 3 hrs.
Focus on quality issues for textile materials used in apparel and other end uses. Discussion of quality theory, as well as textile material performance expectations and methods of predicting performance through physical testing. Prerequisite(s): TEXDSGN 1002. (Fall)

TEXDSGN 3012. Fashion Design: Flat Pattern and Draping — 3 hrs.
Apparel design using a product development process, emphasizing the design process, line development, sourcing materials, costing, and production. Advanced apparel production skills (draping and pattern grading)are further developed within apparel design projects. Prerequisite(s): TEXDSGN 2007. (Spring)

TEXDSGN 3013. Professional Development: Textile and Apparel — 2 hrs.
Serves as the program capstone experience. Students study leadership skills, professional ethics, as well as prepare an internship experience. Course culminates with a large-scale group experiential learning project conducted in the field. Prerequisite(s): TEXDSGN 2007; junior standing. (Fall)

TEXDSGN 3014. Branding Strategies for the Apparel Industry — 3 hrs.
Application of sociology, anthropology and psychological concepts and theories to apparel branding strategies. Includes modules focused on theories underlying fashion change and the application of sustainability principles to the apparel industry. The culminating project for each student is an empowerment brand. Prerequisite(s) or corequisite(s): TEXDSGN 1000. (Variable)

TEXDSGN 4016. Apparel Product Development — 3 hrs.
Application of product development concepts and procedures for planning, developing, sourcing, and producing apparel product lines for identified target markets based on market research. Industry-based software will be used for 2D pattern development, grading, marker making, and creating 3D virtual prototypes. Prerequisite(s): TEXDSGN 2008; TEXDSGN 3012; junior standing. (Spring)

TEXDSGN 4184/5184. Topics in Textile and Apparel — 1-3 hrs.
Selected topics relating to current issues in Textile and Apparel. Topics to be announced in the Schedule of Classes. May be repeated on different topic for maximum of 6 hours. Prerequisite(s): junior standing. (Variable)

TEXDSGN 4192/5192. Research in Textiles and Apparel — 1-3 hrs.
Conduct supervised research and/or scholarly project. Prerequisite(s): research methods course; junior standing; consent of instructor. (Variable)

TEXDSGN 4194/5194. Problems in Textiles and Apparel — 1-4 hrs.
Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

TEXDSGN 4195. Internship in Textile and Apparel — 4 hrs.
Supervised experience in approved work situation. Transfer students must complete one full semester in residence before being approved for internship. Prerequisite(s): TEXDSGN 1003; TEXDSGN 1002; TEXDSGN 2007; TEXDSGN 1059 (Fashion Culture and Industry) or TEXDSGN 1000; TEXDSGN 2008. (Summer)

TEXDSGN 4198. Independent Study in Textiles and Apparel.
(Variable)

Theatre Courses (THEATRE)

Courses

THEATRE 1000. Theatre in Our World — 3 hrs.
This course will explore the basic structures of theatre, how it impacts society, and how society shapes and inspires theatre. Students will also explore and collaboratively experience processes and roles common to theatrical creation. (Fall and Spring)

THEATRE 1002. The Theatrical Arts and Society — 3 hrs.
Audience-oriented introduction to the dramatic arts, including the live theatre, film, and television, and their interrelationships with society. Special focus sections offered on a rotating basis. Attendance at TheatreUNI productions is a class requirement. (Fall and Spring)

THEATRE 1005. Acting for Non-Majors — 3 hrs.
Through exploration of various acting methods and techniques, this course builds skills in creativity, oral communication and presentation, and critical analysis. An ideal course for students whose career paths require presenting, creating, and flexible thinking. Participants will explore improvisation, scene study, and a variety of acting exercises. At the conclusion of the course, students will be more comfortable with public speaking, creative problem solving, and thinking on their feet. This course is appropriate for all students, no experience necessary. (Variable)

THEATRE 1010. Foundations of Theatre — 3 hrs.
A collaborative approach to the exploration and development of the creative impulse, processes and results in the theatre. Team-taught. Production participation required; lab taken concurrently. Lab fee. Corequisite(s): THEATRE 1011. (Fall and Spring)

THEATRE 1011. Foundations of Theatre Lab — 1 hr.
Provides running crew assignments for all productions in a given semester. Requires an extensive evening commitment. Corequisite(s): THEATRE 1010. (Fall and Spring)

THEATRE 1012. Stagecraft: Scenery/Lights — 3 hrs.
Introduction to scenery and lighting planning, research and construction for theatrical production. Involves work in the Strayer-Wood Theatre Scenery Studio on TheatreUNI mainstage season plays. Discussion, 3 periods; lab, 3 periods. Lab fee. (Fall and Spring)

THEATRE 1015. Stagecraft: Costumes — 3 hrs.
Introduction to costume planning, research and construction for theatrical productions. Involves work in the Strayer-Wood Theatre Costume Studio on TheatreUNI mainstage season plays. Discussion 3 periods, lab 3 periods. Lab fee. (Fall and Spring)

THEATRE 1020. Introduction to Reading Playscripts — 3 hrs.
Entry level class that introduces students to play reading using both major dramatic texts and contemporary experimental texts. (Fall and Spring)

THEATRE 1030. Acting — 3 hrs.
Introduction to the craft of acting beginning with exercises and culminating in applying the experience of those exercises to a scene from a play. Exploration of increasing self-awareness. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): For Theatre majors: none. All others: consent of instructor. (Fall and Spring)

THEATRE 1040. Movement for the Actor — 3 hrs.
Designed to encourage relaxation, limberness, and strength. Exploration of ways in which movement and sensory work can trigger and influence character work and emotional connection. Discussion, 3 periods; lab, 3 periods. (Variable)

THEATRE 1050. Creative Drama — 3 hrs.
Prepares students to guide children and young adults in creative drama. Study of the art of spontaneous drama as it relates to education and development of young people cognitively and creatively. Lab fee. (Variable)

THEATRE 2010. Drama and Inclusion — 3 hrs.
Prepares students to engage children and young adults in inclusive based settings children and young adults in drama and youth theatre experiences. Emphasis will be on supporting the social and creative skill development among all youth, with specific emphasis on working with individuals with autism and other developmental delays. Prerequisite(s): THEATRE 1050. (Variable)

THEATRE 2020. Playscript Analysis and Interpretation — 3 hrs.
Readings and analysis of plays (Greek to the present) in preparation for production. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1020; or consent of instructor. These prerequisites are waived for Communication-Theatre Teaching majors. (Fall and Spring)

THEATRE 2025. Body, Voice, Awareness — 3 hrs.
Learn and apply techniques to free body, voice, mind and emotions for performance. Explore body-and-voice based approaches to theatre by 1) creating actor-generated original work and 2) inhabiting a character from an extant script. Discussion, 3 periods; lab, 3 periods. Prerequisite(s) or corequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1030. (Variable)

THEATRE 2040. Design Elements for Theatre — 3 hrs.
Introduction to the language of design as applied to theatre. Explores studio applications of the elements and principles of design to theatre-specific rendering techniques and design projects. Discussion, 3 hours; lab, 3 hours. Prerequisite(s): THEATRE 1012 OR THEATRE 1015. (Fall)

THEATRE 2050. Theatre Practicum — 1 hr.
Credit for approved work in theatre production (e.g., construction crew, performance, crew head, stage manager). Three required (one may be in performance). Prerequisite(s): THEATRE 1010; THEATRE 1011. (Fall and Spring)

THEATRE 2055. Devised Theatre — 3 hrs.
Collaboration in the creation and presentation of devised work. Discussion 3 periods; lab 3 periods. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1012 OR THEATRE 1015, THEATRE 1020; THEATRE 1025 or THEATRE 1030; or consent of the department. (Variable)

THEATRE 2060. Production Studies — 3 hrs.
Involvement in a play's production process combined with an in-depth study of a topic related to that production. May be repeated for maximum of 6 hours. Only 3 hours may be used for required electives. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1020; or consent of the department. (Variable)

THEATRE 2125. Singing Techniques for Musical Theatre — 3 hrs.
Provides basic knowledge about the voice and the application of healthy singing while maintaining the physicality and expressiveness required of the body while acting. Consists of a combination of lecture, individual voice lessons, and performance seminar. May be repeated for a maximum of 6 hours. Prerequisite(s): THEATRE 1010; THEATRE 1011; Departmental consent required. (Variable)

THEATRE 2135. Dance for Musical Theatre — 3 hrs.
An introduction to the multiple dance styles required for a musical theatre performer. Consists of Tap, Jazz, Ballet, and Partnering techniques. May be repeated for a maximum of 6 hours. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1025 OR THEATRE 1030. (Variable)

THEATRE 2190. Stage Management — 3 hrs.
Introduction to techniques, procedures, and forms used in stage managing theatre and allied performing arts. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1012 OR THEATRE 1015; sophomore standing; or consent of instructor. (Spring)

THEATRE 3003. Vocal Production for the Actor — 3 hrs.
Using relaxation and breathing techniques developed by voice practitioners, students will release tension and identify vocal habits which impede the acting process. Includes vocal precision and power, IPA and anatomy. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1020; THEATRE 2025. (Variable)

THEATRE 3030. Auditioning and the Business of Acting — 3 hrs.
Selection, preparation, and performance of appropriate audition materials and development of proper audition behavior for the actor. Exploration of graduate schools and acting as a business. 3 periods. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1020; THEATRE 1030; THEATRE 3126 (one semester) or consent of instructor. (Variable)

THEATRE 3050. Theatre Production — 1-4 hrs.
Assumption of a major production responsibility under supervision of faculty. May be repeated in various production areas for maximum of 12 hours. Prerequisite(s): junior standing; consent of supervising instructor. (Fall and Spring)

THEATRE 3060. History of the Theatre I — 3 hrs.
Examination of plays, production methods, and historical trends in the theatre from its beginnings through 1800. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1020; or consent of instructor. (Fall)

THEATRE 3070. History of the Theatre II — 3 hrs.
Examination of plays, production methods, and historical trends in the theatre from 1800 through the present. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1020; or consent of instructor. These prerequisites are waived for Communication-Theatre Teaching majors. (Spring)

THEATRE 3080/5080. Advanced Theatre Studies — 3 hrs.
Examination of plays, production methods, and/or historical trends in the theatre. May be repeated for maximum of 6 hours. Only 3 hours may be used for required electives. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1020; or consent of instructor; junior standing. (Variable)

THEATRE 3100. Theatre in Education — 3 hrs.
Application of theatre performance and improvisation techniques to the teaching of a specific curricular topic intended for young audiences. Prerequisite(s): junior standing. (Same as CAP 3106) (Variable)

THEATRE 3110/5110. Theatre for Youth — 3 hrs.
Specific problems of producing theatre for children, including readings in children's literature, child psychology, and plays. Practical experience in improvised and scripted performances. Lab fee. Prerequisite(s): THEATRE 1050 or consent of instructor. (Spring)

THEATRE 3115. Methods of Teaching Drama and Theatre — 3 hrs.
Introduction, exploration, and application of various methods for teaching and assessing drama and theatre practices and learning in K-12 venues. Prerequisite(s): Theatre majors: THEATRE 1010; THEATRE 1011; THEATRE 1012; THEATRE 1030; THEATRE 1050. These prerequisites are waived for Communication-Theatre Teaching majors and minors. Prerequisite for other students: consent of instructor. (Fall)

THEATRE 3120/5120. Acting Styles — 3 hrs.
Application of techniques learned in THEATRE 1030, including theoretical studies of various styles of acting as well as extensive scene work. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1020; THEATRE 2025; THEATRE 1030; THEATRE 3003; THEATRE 3126; or consent of instructor; junior standing. (Fall)

THEATRE 3126. Acting Studio I — 3 hrs.
Students will learn the Meisner Technique of Acting and how to put it into practice. Performance students will gain freedom in their work through the use of imagination, improv and scene work. Students will gain a process in order to personalize and spontaneously maneuver their way through a script. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1030; or consent of instructor; junior standing. (Fall)

THEATRE 3127. Acting Studio II — 3 hrs.
Building upon the skills learned in Acting Studio I, performance students will deepen their understanding of Meisner and Chekhov techniques utilizing scene work, characterization, practical exercises, readings and discussion. A further understanding of text analysis for the actor will be a primary component of the course. Prerequisite(s): THEATRE 1010; THEATRE 1011; THEATRE 1030; THEATRE 3126. (Spring)

THEATRE 3135/5135. Stage Combat — 3 hrs.
Basic skills of modern and historic styles of fencing, swordplay, and other modes of fighting, and application of these skills to the planning and safe execution of an effective and artistic stage fight. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): for Theatre majors: THEATRE 1010; THEATRE 1011; THEATRE 1012 OR THEATRE 1015; THEATRE 1020; THEATRE 1025 OR THEATRE 1030. For non-Theatre majors: junior standing. (Spring)

THEATRE 3141. Stage Makeup — 3 hrs.
Project work in makeup for the theatre. Lab fee. Prerequisite(s): for Theatre majors: THEATRE 1010; THEATRE 1011; THEATRE 1015; or consent of instructor. Prerequisite for other students: consent of instructor. (Spring)

THEATRE 3142. Scenic Painting/Costume Patterning & Draping — 3 hrs.
Project work in scenic painting or costume pattern development for the theatre. May be repeated in different areas for a maximum of 6 credits. Lab fee. Prerequisite(s): for Theatre majors: THEATRE 1010; THEATRE 1011; THEATRE 1012 or THEATRE 1015; THEATRE 2040; or consent of instructor. Prerequisite for other students: consent of instructor. (Fall)

THEATRE 3143. Drafting for Theatre — 3 hrs.
Project work in drafting for the theatre. Lab fee. Prerequisite(s): for Theatre majors: THEATRE 1010; THEATRE 1011; THEATRE 1015; or consent of instructor. Prerequisite for other students: consent of instructor. (Fall)

THEATRE 3155. Topics in Theatre Design and Production — 3 hrs.
Advanced topics in Design and Production involving research and experiential investigation into production techniques. Rotating topics may include Period Styles for Theatre, Advanced Problems in Theatre: Make-up, Costume, Scenery, Lighting, or Sound Production. Additional topics may be offered depending on pedagogical and/or production needs. May be repeated for a maximum of 6 hours. Prerequisite(s): for Theatre majors: THEATRE 1010; THEATRE 1011; junior standing and either THEATRE 1012 OR THEATRE 1015 as applicable to the specific content of the course; or consent of instructor. Prerequisites for other students: junior standing and consent of instructor. (Variable)

THEATRE 3160. Directing — 3 hrs.
Analysis of plays and fundamentals of directing. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): for Theatre majors: THEATRE 1010; THEATRE 1011; THEATRE 1012 OR THEATRE 1015; THEATRE 1020; THEATRE 1030; THEATRE 2020; junior standing. For Communication-Theatre-Teaching majors: THEATRE 1012; THEATRE 1030; THEATRE 2020; junior standing. (Fall and Spring)

THEATRE 3195/5195. Playwriting — 3 hrs.
An introduction to the craft of playwriting. Students will create original plays for the stage, culminating in a public reading of excerpts from these plays. May be repeated up to two times for credit. Prerequisite(s): For Theatre majors: THEATRE 1010; THEATRE 1011; THEATRE 1020; junior standing; or consent of instructor. Prerequisites for other students: consent of instructor; junior standing. (Spring)

THEATRE 3200/5200. Internship — 1-8 hrs.
Intensive work in specialized area at off-campus theatre facility. For advanced students in theatre. May be repeated for maximum of 8 hours. Prerequisite(s): junior standing; consent of advisor and department head. (Variable)

THEATRE 3220. Design I: Theatrical Design Aesthetics — 3 hrs.
In this course, students will be introduced to the elements and principles of design, and how to apply them to the theatrical design process. Combining an understanding of aesthetics, the language of critique, and the use of 2D and 3D rendering media, students will engage in theatre-specific design processes. Prerequisite(s): THEATRE 1015 or THEATRE 1012; THEATRE 2040. (Spring)

THEATRE 3230. Design II: Theatrical Design Process — 3 hrs.
In this course, students will revisit the elements and principles of design encountered in Design I and apply them to projects in the areas of theatrical costume, lighting, scenic, and sound design. While developing further understanding of aesthetics, the language of critique, and the use of design media, students will conceptualize and create discipline-specific expressions of design choices as communication tools appropriate for professional theatrical designers. Prerequisite(s): THEATRE 1015 or THEATRE 1012; THEATRE 2040; THEATRE 3220. (Fall)

THEATRE 3240. Design III: Theatrical Design Application — 3 hrs.
This is an advanced course, utilizing the skills learned in Design I and Design II. Students will continue to develop portfolio-quality work while starting to specialize in their design area of choice. With an emphasis on collaboration, students will create cohesive designs for theatrical productions. There will be the expectation of creating a fully conceptualized design with accompanying research and paperwork. The students will participate in design presentations to show their ability to express and support their design choices. Prerequisite(s): THEATRE 1015 or THEATRE 1012; THEATRE 2040; THEATRE 3220; THEATRE 3230. (Spring)

THEATRE 6285. Readings in Theatre — 3 hrs.
(Variable)

THEATRE 6289. Seminar in Theatre — 3 hrs.
Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Fall)

THEATRE 6299. Research.
Prerequisite(s): consent of department. (Variable)

University, Interdisciplinary Courses (UNIV)

Courses

UNIV 1000. First-Year Cornerstone: Integrated Communication I — 3 hrs.
The first course in a two-course single-year sequence that integrates written, oral, visual, and electronic communication. Guidance and practice in critical reading, research processes, and rhetorical strategies applied to composing and delivering effective oral and written discourse - including visual and digital resources - for different purposes and audiences. Attention to problem-solving resources and strategies for academic success and life-long learning. Includes assignments related to a university-wide reading selection. Credit earned for both UNIV 1000 and UNIV 1010 satisfies the UNIFI/ General Education Written and Oral Communication requirements; credit earned for UNIV 1000 alone satisfies neither the UNIFI Written or Oral Communication requirement. Prerequisite(s): first-year student; neither UNIFI Written or Oral Communication requirement previously satisfied. (Fall)

UNIV 1010. First-Year Cornerstone: Integrated Communication II — 3 hrs.
The second course in a two-course single-year sequence that integrates written, oral, visual, and electronic communication. Attention to interpersonal and small group communication and to research strategies and resources for academic inquiry, especially for the use in persuasive communication contexts. Continued guidance and practice in composing and delivering effective oral and written discourse - including use of visual and digital resources - for documents and presentations within various professional and public settings. Credit earned for both UNIV 1000 and UNIV 1010 satisfies the UNIFI/ General Education Written and Oral Communication requirements. Prerequisite(s): first-year student; UNIV 1000. (Spring)

UNIV 1050. Career Decision Making — 2 hrs.
Introduction to a structured career decision-making process, including self-awareness, career and educational information, computerized and Internet assistance and resources, and related activities/projects. (Fall and Spring)

UNIV 1055. Strategies for Academic Success — 2 hrs.
Provides development and use of effective learning and study strategies/skills necessary for independent learning and academic success. University policies, procedures, and services will be addressed. (Fall and Spring)

UNIV 1092. Presidential Scholars Seminar — 1-3 hrs.
For Presidential Scholars only. Credit and topic listed in the Schedule of Classes. May be repeated in a different topic. (Variable)

UNIV 119P. Presidential Scholars Research — 1-3 hrs.
For Presidential Scholars only. Credit and topic to be approved by the Presidential Scholars Board. May be repeated once for a maximum of 6 hours. (Variable)

UNIV 2196. Honors Seminar — 1-3 hrs.
Seminar covering selected topics. Some sections may be restricted to University Honors students. May be repeated for credit. Prerequisite(s): sophomore standing or consent of instructor. (Variable)

UNIV 3003. Study Abroad: (Topic) — 3 hrs.
This course provides students the opportunity to explore firsthand a range of identities, communities, and conceptions of the human condition. Engage in effective critical inquiry to address complex topics in a global context. By analyzing ideas, works, and institutions, alongside the act of traveling abroad, UNI students will develop habits of mind characterized by thorough exploration of issues, ideas, histories, artifacts, and theories, including the collection and analysis of evidence before accepting or formulating an opinion or conclusion in relationship to another culture or one's own. (Variable)

UNIV 31CI/UNIV 31CI. Co-op/Internship.
(Variable)

UNIV 4197. Honors Thesis — 1-3 hrs.
Development and approval of thesis topic followed by completion of thesis and public presentation. May be repeated for maximum of 3 hours. Some sections may be restricted to University Honors students. Prerequisite(s): senior standing or consent of instructor. (Variable)

UNIV 4555. Interactive Digital Studies Practicum — 3 hrs.
Examines tools/methodologies involved in the production of interactive media. Students will study development models in a real-world setting; work with involved clients; develop new technology skills; and as a single class, consultatively produce a major interactive project. Prerequisite(s): declared Interactive Digital Studies (IDS) major; COMM 2555; COMM 3555; COMM 4544/5544; COMM COR 1010. Prerequisite(s) or corequisite(s): two completed IDS bundles; or consent of instructor. (Spring)

UNIV 51CI. Co-op/Internship.
(Variable)

Women's and Gender Studies Courses (WGS)

Courses

WGS 1040. Women's and Gender Studies: Introduction — 3 hrs.
Interdisciplinary study of women's and gender issues from historical and contemporary perspectives, using the methods and theories of feminist scholarship and gender analysis. Topics may include study of systems of domination and subordination, stereotyping and gender bias, intersections of gender, race, ethnicity, sexuality, class. (Fall and Spring)

WGS 2040. Introduction to LGBTQ Studies — 3 hrs.
This class is dedicated to the interrogation of institutions of oppression and the ways that power circulates. We will examine the constructed and essential components of sex, gender, sexuality, and relationships to see how these axes operate in everyday life and in institutions. The approach taken is decidedly eclectic, with influences from history, feminism, queer theory, performance studies, linguistics, the arts, sociology, STEM, and law. (Fall and Spring)

WGS 2050. Masculine Cultures — 3 hrs.
Recent theoretical developments have challenged stereotypes by showing how myriad "masculine" identities (of and for both men and women) are produced within specific cultural domains. Masculinities, in their various forms, shape the lives of both men and women, and this course will use an intersectionality perspective to explore the construction, reproduction, and impact of masculinities on the cultural institutions of politics, education, work, religion, sports, family, media, and the military, to name a few. Paying careful attention to the conjunctions between materiality and culture, this course will interrogate how masculinities shape individual lives, groups, nationalisms, organizations, and institutions. (Fall and Spring)

WGS 3195/5195. Internship in Women's and Gender Studies — 1-3 hrs.
Experiential application of theory and scholarship. Responsibilities determined by faculty advisor, on-site supervisor, and student, according to organizational needs and career goals. Prerequisite(s): Women's and Gender Studies minor with completion of two or more core courses; junior standing. For graduate students: consent of WGS Director. (Variable)

WGS 6195. Graduate Internship in Women's and Gender Studies — 1-4 hrs.
Field experience for students enrolled in the Applied Track of the Women's and Gender Studies MA program. May be repeated for maximum of 4 hours. Prerequisite(s): Must be admitted to Women's and Gender Studies M.A. program; consent of Women's and Gender Studies Director. (Fall, Spring, Summer)

WGS 6289. Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories — 3 hrs.
Analysis of identities and oppressions from national and international feminist perspectives. (Spring)

WGS 6291. Graduate Proseminar in Women's and Gender Studies — 1 hr.
This class provides graduate students with an overview of Women's and Gender Studies. It explores the differences between interdisciplinary programs and those based within a single discipline and gives students tools to recognize and address tensions between disciplines that may occur in and out of the classroom. It assists students in understanding the rigors of graduate work, provides strategies for how to better approach, understand, and succeed in graduate school, explores the wide variety of career options available to those with a Women's and Gender Studies MA degree, and prepares students for the job market or future work in academia. (Fall)

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