



University of Northern Iowa
Programs and Courses Catalog
2018-2019

2018-2019 Catalog

2018-2019 Catalog

- effective Summer 2018
- published March 2018

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 2018-19 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*
- Save as a PDF to your computer
- You can then do a *Find* (Search) for specific catalog content at any time

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Academic Calendar 2018-2019

Summer Session, 2018

May 7	Mon., instruction begins, 7:30 a.m.
May 28	Mon., legal holiday (Memorial Day)
July 4	Wed., legal holiday observed
July 27	Fri., summer session ends, 10:00 p.m.

(May/June/July session - 12 weeks)

May 7	Mon., Instruction begins, 7:30 a.m.
July 27	Fri., May/June/July session ends, 10:00 p.m.

(May session - 4 weeks)

May 7	Mon., instruction begins, 7:30 a.m.
June 1	Fri., May session ends, 10:00 p.m.

(May/mid-June session - 6 weeks)

May 7	Mon., instruction begins, 7:30 a.m.
June 15	Fri., May/mid-June session ends, 10:00 p.m.

(June session - 4 weeks)

June 4	Mon., instruction begins, 7:30 a.m.
June 29	Fri., June session ends, 10:00 p.m.

(June/July session - 8 weeks)

June 4	Mon., instruction begins, 7:30 a.m.
July 27	Fri., June/July session ends, 10:00 p.m.

(mid-June/July session - 6 weeks)

June 18	Mon., instruction begins, 7:30 a.m.
July 27	Fri., mid-June/July session ends, 10:00 p.m.

(July session - 4 weeks)

July 2	Mon., instruction begins, 7:30 a.m.
July 27	Fri., July session ends, 10:00 p.m.

Fall Semester, 2018

August 17	Fri., registration, 9 a.m.-4 p.m.
August 20	Mon., instruction begins, 8:00 a.m.
September 3	Mon., legal holiday (Labor Day)
October 12	Fri., first half semester ends, 10:00 p.m.
October 15	Mon., second half semester begins, 8:00 p.m.
November 19-23	Mon.-Fri., Thanksgiving break
November 26	Mon., instruction resumes, 8:00 a.m.
December 10-14	Mon.-Fri., final examinations
December 14	Fri., semester ends, 10:00 p.m.
December 15	Sat., commencement

Spring Semester, 2019

January 11	Fri., registration, 9:00 a.m.-4 p.m.
January 14	Mon., instruction begins, 8:00 a.m.
January 21	Mon., university holiday (Martin Luther King's birthday observed)
March 8	Fri., first half semester ends, 10:00 p.m.
March 11	Mon., second half semester begins, 8:00 a.m.
March 18-22	Mon.-Fri., spring break
March 25	Mon., instruction resumes, 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, 2019

May 13	Mon., instruction begins, 7:30 a.m.
May 27	Mon., legal holiday (Memorial Day)
July 4	Thurs., legal holiday observed
August 2	Fri., summer session ends, 10:00 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, 10:00 p.m.

(May session - 4 weeks)

May 13	Mon., instruction begins, 7:30 a.m.
June 7	Fri., May session ends, 10:00 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, 10:00 p.m.

(June session - 4 weeks)

June 10	Mon., instruction begins, 7:30 a.m.
July 5	Fri., June session ends, 10:00 p.m.

(June/July session - 8 weeks)

June 10	Mon., instruction begins, 7:30 a.m.
August 2	Fri., June/July session ends, 10:00 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, 10:00 p.m.

(July session - 4 weeks)

July 8	Mon., instruction begins, 7:30 a.m.
August 2	Fri., July session ends, 10:00 p.m.

Fall Semester, 2019

August 23	Fri., registration, 9 a.m.-4 p.m.
August 26	Mon., instruction begins, 8:00 a.m.
September 2	Mon., legal holiday (Labor Day)
October 18	Fri., first half semester ends, 10:00 p.m.
October 21	Mon., second half semester begins, 8:00 a.m.
November 25-29	Mon.-Fri., Thanksgiving break
December 2	Mon., instruction resumes, 8:00 a.m.
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. Four conventional baccalaureate degrees are offered:

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

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,
- the Doctor of Education degree, and
- the Doctor of Industrial Technology degree.

The University of Northern Iowa has grown from its 1876 original campus site of 40 acres with one building - Central Hall, which originally housed orphaned children of Civil War soldiers - until it now embraces 57 principal buildings on a campus of 910 acres, with a full-time faculty of approximately 650 and a total enrollment of approximately 13,000. In addition to its physical growth, the university continues to support programs that reach into the wider community, including the UNI Center for Urban Education (UNI-CUE), which is located in the heart of the urban area of Waterloo, Iowa. The internationally-known *North American Review*, which was established in 1815 in Boston and is the oldest periodical in the United States, is now published under the auspices of the University of Northern Iowa.

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 and Doctorate of Technology) by the Higher Learning Commission of the North Central Association of Colleges and Schools (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

General Information

Social Work Education (CSWE), the American Speech-Language-Hearing Association (ASHA), the Association of Technology Management and Applied Engineering Board of Accreditation (ATMAE), the Accreditation Board for Engineering and Technology (ABET), the Foundry Educational Foundation (FEF), the Accrediting Council for Collegiate Graphic Communication (ACCGC), the National Association of Schools of Theatre (NAST), the National Recreation and Park Association Council on Accreditation (NAPR), and the National Association of School Psychologists (NASP). The Cultural and Intensive English Program (CIEP) is accredited by the Commission on English Language Program Accreditation (CEA). The B.A. in Athletic Training and the Master of Athletic Training are 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 Postsecondary Accreditation (COPA), has conferred accreditation for the two master's level programs in counseling, Clinical Mental Health Counseling and School Counseling, both from the School of Applied Human Sciences,

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, 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 Affairs, 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 (IASC).

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 (www.uni.edu/assessment), the Dean of the Graduate College (<https://www.grad.uni.edu/>) and the Office of Institutional Research and Effectiveness (<http://uni.edu/ir/>).

Academic Structure

College of Business Administration

<https://business.uni.edu/>

The College of Business Administration delivers an engaging education in a vibrant, supportive environment to students from Iowa and around the world. (For more, see <https://business.uni.edu/web/>) Princeton Review recognizes UNIBusiness as one of the best business schools in the world with an accreditation from AACSB International, a status achieved by only the top 5% of business schools worldwide.

Our educational intent is to develop graduates who are ready to build rewarding careers and lead fulfilling lives. Our students graduate with

a distinct advantage. They offer the unique blend of qualities every employer seeks:

- Cutting-edge business knowledge to confront the complexities of the global economy effectively and ethically,
- exceptional professional skills to contribute immediately and confidently,
- and strong work values to meet the highest organizational expectations.

Students learn from faculty with advanced degrees and practical experience, fully committed to great teaching and helping our students gain a professional distinction prior to graduation. And, we offer a variety of avenues through which to gain that distinction. Our study abroad scholarships allow students to strengthen their global mindset while progressing toward their degree. Our Professional Readiness Program® helps students transition from student to business professional, fully prepared to hit the ground running in the workplace after graduation. It teaches them to navigate organizational dynamics, hone their writing and speaking skills, and develop a career vision and strategy – skills not fully developed through a traditional business education, yet demanded by employers. Many of our programs allow students to earn a professional credential, including CPA, CFA®, CFP®, among others. All the while, our UNIBusiness courses and programs reinforce the strong work values students bring from home.

The College of Business Administration is organized as five departments: Accounting, Economics, Finance, Management, and Marketing

The Bachelor of Arts (B.A.) degree is offered by all five departments in the form of **nine** different majors along with a variety of minors that allow students to build their professional distinctions. These areas include:

- Accounting
- Business Teaching
- Economics – **General Economics, Business Economics, Quantitative Techniques, and Applied Economic Analysis emphasis areas**
- Entrepreneurship
- Finance – **Financial Management, Investments, and Personal Wealth Planning emphasis areas**
- International Business
- Management – Business Administration, HR, and **Organizational Leadership emphasis areas**
- Management Information Systems
- Marketing – Marketing Management, Sales **Management**, Advertising & Digital Media, and Global Marketing emphasis areas
- Supply Chain Management
- Real Estate

In addition to its undergraduate programs, the college offers graduate programs leading to the Master of Business Administration (M.B.A.) degree and the Master of Accounting (MAcc) degree. Finally, the College of Business Administration serves other disciplines in the university through numerous professional courses.

While providing a first-class professional education is our major concern, we maintain a strong commitment to student preparation in the arts and sciences. We counsel students to seek a broad educational experience, particularly at the undergraduate level, and to utilize the full resources of the university in the development of their professional distinction. Our graduation requirements reveal this commitment. Students must complete at least 50 percent of the course work required for the degree outside the College of Business Administration.

The College of Business Administration is the academic unit responsible for providing degree programs in business and management at UNI. Business majors must earn at least 50 percent of the business credit hours required for the major from UNI to graduate. Degree programs offered by other colleges may not include more than 25% of the degree requirements in College of Business Administration course work, excluding Economics. In addition, non-business majors may not enroll in more than 30 hours from the College of Business Administration [ECON 1041 (920:053) and ECON 1051 (920:054) excluded from the total] and may not complete more than one College of Business Administration minor (Economics excluded).

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.), Master of Science (M.S.), Specialist in Education (Ed.S.), and Doctor of Education (Ed.D.).

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 literacy education, social studies, and educational technology; Iowa teaching endorsements in school library studies, reading k-8, and education of the gifted. 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 a doctoral intensive study area in curriculum and instruction. For further information, visit the website <https://coe.uni.edu/ci>.

Educational Leadership and Postsecondary Education

The Department of Educational Leadership and Postsecondary Education 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, Doctor of Education Educational Leadership intensive study area; and program certificates in Principalship and Superintendent Preparation. Specific requirements for these graduate programs and program certificates are listed within this Department of Educational Leadership and Postsecondary Education section of this catalog. There are no undergraduate majors or minors in the Department of Educational Leadership and Postsecondary Education. For further information, visit the website <https://coe.uni.edu/elpe>.

Educational Psychology and Foundations

Educational psychology, human development, research and evaluation, school psychology, and social foundations of education. The department is responsible for courses required of all prospective teachers and provides core courses for many graduate programs. In addition, the department has two graduate degree programs at the master's level and one graduate specialist degree program. The M.A.E in Educational Psychology: Professional Development for Teachers is specially designed to fulfill the professional development needs of experienced teachers. The University of Northern Iowa School Psychology Program is a fulltime program which consists of two degrees: a Master of Arts in Education (M.A.E.) degree and an Educational Specialist (Ed.S.) degree, both of which follow a scientist practitioner model. The program has been designed in alignment with the training standards of the National Association of School Psychologists (NASP) and has been fully approved by NASP since 1995. For further information, visit the website <https://coe.uni.edu/epf>.

Health, Recreation and Community Services

Effective July 1, 2018 the School of Kinesiology, Allied Health and Human Services restructured into two departments - the Department of Health, Recreation and Community Services and the Department of Kinesiology.

Graduate and undergraduate majors in athletic training health promotion; and leisure, youth and human services. The department also offers minors and/or program certificates in environmental health, global health, health education teaching, health promotion, leisure, youth and human services, outdoor recreation, school age care leadership, and tourism. The department operates multiple laboratory and outreach programs including: athletic training laboratory, Camp Adventure TM Youth Services, computer instructional laboratory, Global Health Corps, National Program for Playground Safety, Nonprofit Leadership Alliance, Recycling and Reuse Technology Transfer Center, and student computer center. The department is endorsed by several accrediting bodies and organizing networks including the Nonprofit Leadership Alliance, Commission on Accreditation of Allied Health Education Systems (CAAHE), and the National Recreation and Parks Association Council on Accreditation. Information on the department may be found at the website <https://coe.uni.edu/kahhs>.

Kinesiology

Effective July 1, 2018 the School of Kinesiology, Allied Health and Human Services restructured into two departments - the Department of Health, Recreation and Community Services and the Department of Kinesiology.

Graduate and undergraduate majors in physical education teaching; and movement and exercise science. The department also offers a minor in coaching and a program certificate in aquatics specialization. The department operates multiple laboratory, performance studios, and outreach programs including: biomechanics laboratory, computer instructional laboratory, UNI Panther Gym Kids, exercise physiology laboratory, psychomotor behavior laboratory, rhythm and movement studio, student computer center, strength and conditioning laboratory, and wellness resources laboratory. Information on the department may be found at the website <https://coe.uni.edu/kahhs>.

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. Various online graduate programs and research opportunities are available. 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 is responsible for administering the student teaching component and other field experiences of UNI's undergraduate teacher education program. A statewide network of cooperating school centers offers a variety of student teaching and field experience sites in urban, suburban, and rural school systems. Out-of-state and international student teaching placements may be requested through the out-of-state/international center.

Since its establishment in 1876 as the Iowa State Normal School, the University of Northern Iowa has maintained its affirmed commitment to the support of excellence in teacher education. This commitment was recognized by the Iowa General Assembly in 1967 when the function of the university was redefined to include as its primary responsibility the preparation of "... teachers and other educational personnel for schools, colleges, and universities ...". It is also acknowledged by the university in organizing and defining teacher education as an all-university function.

The College of Education, however, has a particular responsibility for teacher education. The most widespread influence on teacher education is that all students seeking licensure take professional preparation in the College of Education. For undergraduate students this professional preparation consists of a required professional education core common to all teaching majors and a culminating student teaching experience in diverse settings.

The college is involved in continuing education, working closely with school and non-school personnel throughout the state on curriculum projects, surveys, and other activities, as well as sponsoring conferences and offering classes, institutes, and workshops both on and off campus. These activities illustrate the college's commitment to service, but the college also recognizes the critical importance of such involvement for ensuring the vitality and relevance of its graduate and undergraduate programs.

Department faculty within the College of Education are engaged in writing and research activities along with their classroom instruction.

College of Humanities, Arts and Sciences

<https://chas.uni.edu/>

The mission of the College of Humanities, Arts and Sciences is to provide a quality education that will prepare students to live and work in an increasingly global and diverse world. In support of this mission, the college is committed to an emphasis on quality teaching in undergraduate liberal arts; well-focused graduate programs, research and technology transfer; and distinguished service to our community, state, profession, and society. The college's instructional excellence is achieved by maintaining a stimulating educational environment that encourages close faculty-student interactions, scholarly research, creative scholarship, and professional service.

CHAS, which offers a diverse and exciting array of coursework, is comprised of 14 departments:

- Art
- Biology
- Chemistry and Biochemistry
- Communication Sciences and Disorders
- Communication Studies
- Computer Science
- Earth and Environmental Sciences
- Languages and Literatures
- Mathematics
- School of Music
- Philosophy and World Religions
- Physics
- Technology
- Theatre

Four interdisciplinary programs are also part of the college: Interactive Digital Studies, a program shared across campus but operated in Communication Studies; Women's and Gender Studies, a graduate program for which CHAS shares responsibility with the College of Social and Behavioral Sciences; the undergraduate Humanities program; and Science Education, which offers undergraduate and graduate programs.

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, and Bachelor of Science (B.S.). Graduate degrees available are the Master of Arts (M.A.), Master of Science (M.S.), Master of Music (M.M.), Professional Science Master's (P.S.M.), and Doctor of Industrial Technology (D.I.T.). The doctorate in industrial technology (D.I.T.) degree is the only doctoral program of its kind in the nation. In addition, the college serves students across campus with an extensive set of liberal arts core, elective, and service courses.

CHAS also sponsors a wide variety of study-abroad programs (Eastern and Western Europe, Russia, Australia, China, Central and South America) as well as activities for university students in all majors, for talented high school students, and for the community at large. Examples of these activities include the arts scholarship

competition, music and theatre festivals, physics competitions, and forensics 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 Strayer-Wood Theatre and UNI Lyric Theatre, and the art exhibitions organized by the UNI Gallery of Art.

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

College of Social and Behavioral Sciences

<https://csbs.uni.edu/>

The College of Social and Behavioral Sciences has as its foundation the understanding of individuals, families, groups, and societies in their social, historical, and political relationships. CSBS houses the following divisions:

- Applied Human Sciences, School of
- Geography
- History
- Military Science
- Political Science
- Psychology
- Social Work
- Sociology, Anthropology, and Criminology

CSBS offers a wide variety of bachelor's degrees as well as unique minor and certificate programs, intercollegiate/interdisciplinary programs, and options for the teaching degree required to be a secondary school teacher. Graduate education is an important component of the mission and responsibilities of the college, with many options for master's degrees.

The college is the home of several professional programs as well as significant segments of the university's course offerings in the liberal arts. 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 providing high-quality, diverse 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 supervised by CSBS faculty.

Career opportunities for graduates exist in a broad range of positions in education, public and social service, commerce, and industry. The practical application of our programs extends to such broader topics as human development and relationships; the needs of families; the structure of societies; human environments; and the history,

geography, and politics of our communities and every region in the world.

For additional information about the College of Social and Behavioral Sciences, contact the Dean's office (319-273-2221), visit the college website (<https://csbs.uni.edu/>), or consult the corresponding departmental office.

Division of Continuing Education and Special Programs

<https://continuinged.uni.edu/>

The Division of Continuing Education and Special Programs offers a variety of services that enable the University to meet its legislative charge to provide public services to assist in the cultural, economic and social development of Iowa residents. The Division works cooperatively with UNI academic departments and colleges to provide off-campus credit courses, workshops, and distance education courses, including Guided Independent Study (GIS) and both undergraduate and graduate degree programs offered using eLearning, video conferencing, and other instructional technologies. Continuing and Distance Education typically offers more than 800 individual course sections annually.

The Office of Continuing 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 319-273-2122 or 1-800-772-1746
e-mail continuinged@uni.edu
visit <https://continuinged.uni.edu/>

Continuing 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 60 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:

Continuing and Distance Education Office
located at the Center for Energy and Environmental Education (CEEE Room 010)
8106 Jennings Drive
319-273-2123 or 1-800-772-1746, or
view the information at <https://continuinged.uni.edu/distance/gis>

Distance Education Courses and Degree Programs

Each semester UNI offers a wide variety of courses, workshops, degree programs, and certification programs in different communities

General Information

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://continuinged.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
- Guided Independent Study Courses
- Undergraduate Thesis
- Individual Study Project
- Individual Studies major
- General Studies major
- General Studies for Registered Nurses
- Bachelor of Liberal Studies degree

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 165+ colleges and universities such as Colorado State University- Pueblo, University of New Mexico, University of Idaho, University of Georgia, University of South Carolina, 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. Summer exchanges are also possible with some institutions. 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://continuinged.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: cieip@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

28 Gilchrist Hall
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>.

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 transfer agreement allows students to complete their A.A. degree after transferring by using UNI courses to complete the A.A. degree. The Admissions Partnership 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, also known as articulation agreements, have been developed between UNI and all Iowa community colleges for particular 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.

Additionally, UNI has developed a 2+2 program. Students in this program earn an A.A. degree from a community college or have completed a similar set of courses at another institution and the UNI portion of a 2+2 program is offered at the community college for students who are place bound or career changing. These include B.A. degrees in elementary education teaching and early childhood education endorsement. Called a 2+2 program, the time to complete a degree may take more than four years depending on individual circumstances.

For more information contact:

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

Iowa Lakeside Laboratory

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. Lakeside's mission is to provide undergraduate and graduate students an opportunity to get hands-on experience working with a variety of natural and human environments through its field-oriented summer courses and to provide research facilities and support for graduate students and faculty working on research projects in northwestern Iowa.

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.

General Information

Lakeside students may reside on or off campus. Please click [here](#) for housing options. We strongly encourage independent study by undergraduates and thesis and dissertation research by graduate students.

Research projects by undergraduates, graduate students, and faculty can be done either on the campus or at many nearby natural areas. 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. Funding for research is also available through the 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 are encouraged to stay at Lakeside while they are taking courses to take full advantage of its educational, professional, and social life.

Further information can be found at the website www.continuetolearn.uiowa.edu/lakesidelab.

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, and Drake University. The consortium is committed to establishing 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 research involving scientists from different areas; 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 scholarships and fellowships, the consortium provides undergraduate and graduate students with opportunities to pursue interdisciplinary research in space-related fields. For further information visit <http://www.iaspacegrant.org/>.

Regents' 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) for UNI resident credit. 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 since the department head must approve the acceptance of such credits if these are to apply to the major, and to insure adequate time for processing of the application. Detailed information and application forms for the exchange program are available from the Office of the Registrar, UNI.

Evening and Saturday Classes

A variety of university courses are scheduled for evening hours and occasionally for Saturday morning and include courses for both undergraduate and graduate students.

Students who plan to enroll for Saturday and/or evening classes only are encouraged to self-register online from a convenient location. Semester schedule of classes are available online, generally in March

for the summer and fall semester and in November for the spring semester.

Specific information for each semester's registration is available at the Office of the Registrar or on the website <https://registrar.uni.edu/>.

Admission Requirements

<https://admissions.uni.edu/freshmen-admission-requirements>

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, rank in class, and certification of graduation. The American College Test (ACT) or the Scholastic Aptitude Test (SAT), or the equivalent is required. 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 550 on the paper-based TOEFL or 79 on the Internet-based TOEFL. There are several alternatives to the TOEFL students may submit to prove 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 <https://intladm.uni.edu/>.

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.

$$\begin{aligned} &(2 \times \text{ACT composite score}) + \\ &(1 \times \text{percentile high school rank}) + \\ &(20 \times \text{cumulative GPA}) + \\ &(\underline{5 \times \text{number of high school core courses}}) = \end{aligned}$$

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).

2. For students whose high school DOES NOT provide class rank, the Alternative RAI Formula will be used:

$$(3 \times \text{ACT composite score}) +$$

$$(30 \times \text{cumulative GPA}) +$$

$$(5 \times \text{number of high school core courses}) =$$

Regent Admission Index

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.

3. 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.

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, which will demonstrate that they are adequately prepared for academic study.

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.

Admission Requirements

Electives 2 years Additional courses from subject areas identified above are acceptable. May include 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 meet 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

www.uni.edu/admissions/transfer-admission-requirements

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 550 on the paper-based TOEFL or 79 on the Internet-based 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 30 or more semester hours of transferable credit with required grade point average from a regionally accredited U.S. college or university.

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 hours, 2.50 GPA*
 - 24-41 hours, 2.50 GPA
 - 42-59 hours, 2.25 GPA
 - 60 or more hours, 2.00 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, in so much 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 Council 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 \$50 application fee or \$70 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.* The application review process will be delayed until the application fee is received. 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

Admission Requirements

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.

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.

III. 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

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.- 5:00 p.m. Monday through Friday during the academic year (from the beginning of the fall semester to spring commencement). During the remainder of the year (the summer months) the offices are open from 7:30 a.m.- 4:30 p.m. Monday through Friday. Specific dates are determined yearly.

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, cannot register for classes until 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 or more must file a *notice of intent to register* for the semester or summer session in which they plan to enroll. The notice of intent to register is filed with the Office of the Registrar. 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 <http://myuniverse.uni.edu>. The registration system is accessed

through MyUNiverse under the Student Center tab. See <http://myuniverse.uni.edu>.

Student Requests

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

Undergraduate student request forms are available on the Resources page of the Provosts website, <https://provost.uni.edu/resources>. See Undergraduate Student Request Form under Resources for Students.

Graduate students submit graduate student requests online through MyUNiverse. The link to the student request system is located on the MyPage tab, in the MyUNiverse Student Center section. Click on the Student Request (Grad Stdts) link, and follow instructions to write, submit, and review the approval status of all their student requests.

Fees and Financial Aid

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. A student organization operates a book exchange at the beginning of each semester. 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://dor.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://uni.edu/> via MyUniverse on the Student Center page. 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 plan 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://uni.edu/> and log in to MyUniverse-Student Center tab 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: <https://finaid.uni.edu/>

Fall/Spring semester office hours: 8:00 a.m. - 5:00 p.m.

Summer hours: 7:30 a.m. - 4:30 p.m.

Financial Aid Information On the Web

The Financial Aid Award 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 <https://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, guided independent study and Camp Adventure courses 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

Fees and Financial Aid

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 \$1,000. 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

Tuition Guarantee Program for Multicultural Community College Iowans is a two-year commitment of full tuition and fees provided through a combination of federal, state and institutional grants and scholarships. Recipients must be an Iowa resident, recipient of AA degree from an Iowa Community College, and have Pell Grant eligibility.

For a complete listing of grants and eligibility criteria visit <https://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.

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

Over 5,000 students worked on-campus last year in a variety of roles and departments across campus. Over 90% 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 work 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.studentloans.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

Fees and Financial Aid

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 Department of Residence 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 Satisfactory Academic Progress is evaluated yearly at the end of each spring semester for the previous Summer, Fall, and Spring semesters. To maintain eligibility for financial aid, students must meet the following three criteria:

1. **Minimum GPA:** Undergraduate and 2nd BA students must maintain a minimum 2.0 cumulative GPA for coursework taken at UNI. Graduate students must maintain a minimum 3.0 cumulative GPA.
2. **Pace of Progression:** Students must complete 67% of all coursework attempted at UNI. Attempted hours are based on enrollment at the end of the first two weeks of class during a semester. Only grades of A, B, C, D, X, Cr, or P are counted as meeting the required hours. 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. Out of the 114 credits attempted, they have successfully completed a total of 87 credits (76% of the coursework attempted), thus meeting this standard of academic progress.*
3. **Maximum Time to Complete a Degree:** Students who have completed all course and hour requirements to earn a degree will no longer qualify for financial aid. Students completing a double major or minor in conjunction with their first degree will no longer qualify for financial aid once the requirements for the initial degree are met.

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.

Financial Aid Suspension Status

Financial Aid Satisfactory Academic Progress is reviewed on an annual basis following the conclusion of the Spring semester. Students must meet all three academic requirements (see above) 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 upcoming semesters at UNI. Students who have successfully appealed will be placed on Financial Aid Probation or Financial Aid Academic Plan status, allowing them to receive aid based on conditions set forth by the Office of Financial Aid & Scholarships.

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 Satisfactory Academic Progress Policy

outlined above and any other conditions listed on the Appeal Approval Contract. Students on Financial Aid Probation status are reviewed at the end of each semester. Students not making progress toward the terms of their appeal contract will have their aid suspended and must appeal before a committee to have their aid reinstated.

Financial Aid Academic Plan

If it is not possible for the student with an approved appeal to achieve minimum Financial Aid Satisfactory Academic Progress standards within one semester, the student will be maintained on an Academic Plan. While on Financial Aid Academic Plan, students must meet all Financial Aid Academic Progress 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 Suspension Status indicating that the student is ineligible for aid.

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. Meet all Financial Aid Satisfactory Academic Progress requirements. Undergraduate students must improve their cumulative GPA to the 2.0 minimum with graduate students meeting the 3.0 cumulative GPA minimum requirement, and by meeting the 67% course completion standard.
2. Initiate the financial aid appeal process. Financial Aid appeals must demonstrate extenuating circumstances that impeded the students' ability to make progress academically. All appeals must be accompanied by third party documentation of the circumstances encountered as well as an academic plan of study (signed by an academic advisor or a record analyst in the Registrar's Office). Examples of extenuating circumstances include but are not limited to: Personal or Family Emergency, Serious Medical Issues, Psychological Illness, etc.
3. Review of grade changes to previously deficient course grades. Students experiencing grade changes that may reinstate their eligibility should contact the Office of Financial Aid & Scholarships to have their academic progress reviewed.

The successful reinstatement of financial aid is not reflective of decisions regarding Registrar academic suspensions. Students on academic suspension should visit with the Registrar's Office regarding reinstatement to UNI.

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 may be obtained from the Office of Financial Aid & Scholarships or online at <https://finaid.uni.edu/academic-progress>. Appeals must be submitted no later than the end of the second week of classes following the suspended semester or within 14 calendar days of the date on the academic progress letter. It is recommended that students submit their appeals as soon as possible to avoid processing delays.

All appeals must be accompanied by third party documentation of the circumstances encountered, a description of how circumstances have

changed to allow for future academic success, as well as an academic plan of study (signed by an academic advisor or a record analyst in the Registrar's Office) demonstrating that the student can successfully meet Financial Aid Academic Progress policy within a reasonable amount of time, thereby allowing them to matriculate toward their degree within the timeframe set forth within the above policy.

Reinstatement of the financial aid is contingent upon the availability of the funds at the time the appeal is approved. Approved appeals require a signed contract to be returned to the Office of Financial Aid & Scholarships.

Denied Financial Aid Appeals

Students denied financial aid eligibility may continue attending UNI by funding their own education. If students meet all of the progress standards in the future, they must contact the Office of Financial Aid & Scholarships to request a review of their financial aid status.

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 - five credits for undergraduate students and four credits for graduate students. Audited courses, correspondence (specified as Guided Independent Study at UNI) courses, and Camp Adventure 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://honors.uni.edu/presidential-scholarships>

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://honors.uni.edu/presidential-scholarships> or contact the University Honors Program, 2401 College Street, 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

Division of Student Affairs

Mission

We help students succeed.

We help students prepare for responsible citizenship, personal fulfillment, and success in life by supporting their efforts to learn through their experiences, achieve their academic goals, and strive for excellence in all.

We do this by:

- Developing environments that are safe, welcoming, inclusive and healthy;
- Providing services that are professional, supportive and personalized; and
- Fostering meaningful student engagement in campus and community life that develops leadership, educates about diversity, and contributes to learning.

Values

In seeking to accomplish this mission, we are committed to:

- Encouraging the development of the whole student and involving all students in the life of the University;
- Cultivating a caring and diverse campus community that values respect for all people, the open and free exchange of ideas, and responsible and ethical behavior;
- Maximizing our effectiveness through responsible stewardship of resources, support of innovation, and creativity in problem solving;
- Working collaboratively across campus and community, and fostering a work environment for our staff which encourages continuous improvement and professional development.

Orientation and New Student Programs

<https://firstyear.uni.edu/>

Orientation programs facilitate the successful transition of new students to the University of Northern Iowa, and include academic advising and registration for the first semester of enrollment. Freshmen who begin their study in the fall semester attend a two-day summer orientation program during the preceding June or July. Transfer students who begin their study in the summer or fall semester attend a one-day orientation program in the preceding spring or summer. All new students who begin their study during spring semester attend orientation in December or January. Orientation programming is also provided for parents, with a focus on learning about services and relationships that will help their students succeed.

Housing

<https://dor.uni.edu/>

Application for Rooms in Residence Halls

Official admission to the University of Northern Iowa is a prerequisite to application for housing in the residence halls. Once new students are admitted, the Department of Residence sends an invitation for

the student to apply for housing online. This invitation is included with the student's letter of acceptance from the Office of Admissions. The Department of Residence website includes information about each residence hall, meal plans and the housing and dining contract. The housing and dining contract serves as the official application for housing in the residence halls. The housing and dining contract 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 and room assignments is based on the contract completion date; the earlier your contract is completed, the greater the chances of getting in to the hall 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 terms and conditions.

Occupancy

Residence hall occupancy 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 first day of classes. If a reserved room is not occupied on the first day of classes and arrangements have not been made with the Department of Residence 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 an entire 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 percentage of the remaining portion of the contract.

Continuous housing during academic and holiday break periods is available in all halls. Students can also remain living in the residence halls during the summer, regardless of whether or not they are enrolled in classes for the summer term.

Residence Halls

The Department of Residence is designed to provide housing to over 4,700 students in ten residence halls and five apartment buildings. Students living on-campus have the advantage of easy access to all classrooms, campus activities and campus resources. Residence hall rooms have Internet access (wired and wireless) and cable television. Furnishings, laundry and utilities are also included. Each residence hall is designed with lounges, study rooms, recreational areas, laundry rooms and other facilities for the comfort and convenience of the students. Computer labs are also located in residence facilities throughout campus. 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.

Communities within each of the residence halls are divided up into houses of approximately 50 students. One resident assistant (a student staff member) lives in each house to serve as a resource for the members of that house. Each house is a designated Living Learning Community that sponsors its own social, cultural and educational

Student Life

programs. Living Learning Communities are based on students' academic classification (first-year, second-year, upper-class) or their major (e.g., biology, business, education, exploring, music).

The residence halls offer a mix of traditional double and single rooms, suites and double and single apartment-style spaces. All halls are mixed gender.

Upper-class Housing

Housing for upper-class students is available within all of our residence halls in our STEP Living Learning Communities. In addition, Shull Hall, Lawther Hall, ROTH and Panther Village have been designed to better accommodate upper-class students.

Shull Hall is a traditional residence hall, offering all rooms as super-single (double if requested). Lawther Hall is a mix of traditional double rooms, single rooms and suites with private and semi-private bathrooms. Students living in Shull and Lawther Halls are required to have a meal plan. ROTH is an apartment-style residence hall, offering mostly double rooms within a common unit containing a private restroom, kitchen and living space. Panther Village is also an apartment-style residence hall, offering single rooms within a common unit containing a private restroom, kitchen and living space. Students wishing to live in any of these accommodations generally have at least one year of on-campus college experience at time of move-in (second-year+).

Jennings Court Apartments

Jennings offers two-bedroom unfurnished apartments to our students with children. Assignments are made on a date-of-application priority basis. Students apply online through the Department of Residence website.

Dining

Students living in the traditional residence halls have an all-access meal plan. This meal plan provides unlimited access to the two dining centers on campus, Piazza in Redeker Center and Rialto in Towers Center. The all-access meal plans come with Dining Dollars to be used at any of the campus retail outlets. Unlimited access is designed to better support students' individual dining habits while increasing the opportunity for community building. Students utilize the dining centers as an extension of their living space within the residence halls.

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://dor.uni.edu/housing-dining-rates#mealplans>.

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://dor.uni.edu/contracting/contract-terms-and-conditions>.

Department of Residence
1501 Redeker Drive, Cedar Falls, IA 50614-0252
319-273-2333 or 1-866-207-9411
residence@uni.edu

Career Services

<https://careerservices.uni.edu/>

The Office of Career Services assists students in developing career skills employers and graduate schools value. Experienced staff and peer assistants provide expertise in guiding students to be *career ready* through career decision making tools, resume development, interviewing skills, job search strategies and overall career preparation.

Career Services maintains active contacts with thousands of employers, and provides students with up-to-date information about our career fairs, on-campus interviews and both employer related or graduate school related information sessions, programs and outreach opportunities. Students can always stay connected through *the UNI Job Board*, a free internship and job posting service that also serves as our notification tool. From your first registration at UNI to one year after graduation, every student has access to this career service. Additionally, Career Services also helps students find internship and cooperative education opportunities where students can earn academic credit, gain important *career ready* experiences and, in many cases, earn money while doing it.

Career Services believes in its mission, "We help students succeed." Please visit our website <https://careerservices.uni.edu/> or call 319-273-6857 and make an appointment to see us in 102 Gilchrist.

Iowa Vocational Rehabilitation Services

102 Gilchrist Hall
319-273-6349
Chris.Crews@uni.edu

<https://uni.edu/resources/disability>

Iowa Vocational Rehabilitation Services is a state agency, provided space on campus by UNI, to serve persons with physical, mental or learning disabilities. The mission of IVRS is to help persons with disabilities become employed. 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 and been employed for 90 days. Students desiring services can contact the office by phone to schedule an appointment between 8:00 a.m. and 4:30 p.m. Students should be able to discuss and/or provide documentation of their disability.

Student Disability Services (SDS)

Student Disability Services is located on the upper level of the Student Health Center. SDS works with students to ensure that all persons with disabilities have access to university activities, programs, and services. To obtain information regarding services, call SDS at 319-273-2677 or e-mail at disabilityservices@uni.edu. More information is available at <https://sds.uni.edu/>.

Student Wellness Services

Student wellness is a journey toward optimal health of mind, body and spirit. Student Wellness Services strives to support student learning and enhance the wellness lifestyles of our students through health education and promotional events and activities. We do this by collaborating with many campus partners. We are located in 104 Wellness & Recreation Center. Following is information regarding our services:

Wellness Services

Services include one-on-one or small group consultation, advice, and support to change a habit, make a lifestyle change, or address an issue of concern (eating, stress, tobacco use, balancing work and personal life, etc.). Our health promotion and education efforts are grounded in the assessed needs and interests of UNI's diverse student body. We facilitate a wide array of programming via presentations, social media platforms and campaigns. Priority focus is placed on issues that significantly impact student wellness and success (sexual health, eating well, sleep, mental health, healthy relationships, etc.).

319-273-6119

<https://studentwellness.uni.edu/>

Violence Intervention Services

Comprehensive services are available for students harmed by violence. We lead university efforts toward creating an environment that is intolerant of violence and supportive of victims. Free and confidential services include: counseling and medical referrals; abuse-related assistance with safe housing, academic and financial concerns; and information concerning victim's rights and University, civil and criminal complaints, including how to file a complaint.

319-273-2137

<https://violenceservices.uni.edu/>

Substance Abuse Services

Confidential services concerning alcohol and other drug use are available for all students. We can provide consultation if you are concerned about your substance use (or that of someone important to you), or if you have had a recent incident/arrest; assessment, referrals and assistance in accessing helping resources; educational services if you have violated University policy; and support in helping all students have a safe and successful college experience.

319-273-3423

<https://subabuse.uni.edu/>

Student Health Clinic and Pharmacy

The University of Northern Iowa specializes in college health services. We have board-certified family practice physicians, board-certified physician assistants, and psychiatric providers who are dedicated to caring for college students. Additional staff includes a pharmacist, pharmacy technician, registered nurses, a laboratory technologist, and support staff. We want to serve as your on-campus health resource and assist you in meeting your healthcare needs.

The University of Northern Iowa Pharmacy is located on the first floor of the Student Health Center. It is staffed by a registered pharmacist

who is available to fill prescriptions, provide drug information, and answer health-related questions. We offer many prescription medications, such as birth control pills, antibiotics, as well as over-the-counter products such as ibuprofen, Tylenol, and cough medicines.

All registered University of Northern Iowa students are eligible to use our services. We encourage you 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 through the University of Iowa Benefits Office.

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.

Counseling Center

The Counseling Center is located on the upper level of the Student Health Center. The Counseling Center is staffed with professional counselors and psychologists who provide confidential counseling services to students who have paid the Mandatory Health Fee.

Appointments for counseling may be made by calling 319-273-2676 or in-person at the Counseling Center. More information is available at <https://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, soccer, and tennis
- (6) racquetball/wally ball courts
- (8) lighted outdoor tennis courses
- a leisure pool with whirlpool and water slide
- an eight lane, 25-yard lap pool
- (5) aerobics/dance studios
- a 38.5-foot climbing wall
- the UNI Outdoor Recreation Center
- West Campus Complex with outdoor recreation fields for a wide variety of sports and activities
- a free weight room
- a spacious fitness area with cardiovascular and strength training equipment
- a running track
- men's and women's locker and shower facilities

Student Life

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

Military Members and Veterans

The University of Northern Iowa is proud to serve all veterans, military members, and their families. Our role is to support military members, veterans, and their families at UNI as they transition between military duty, college, and new careers. We are committed to faculty and staff education, on and off campus resource networking, advocacy, and listening to each student to ensure that each military affiliated students' voice is heard and they are empowered to achieve success in class 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

The University of Northern Iowa has been selected as a Military-Friendly University in Military Advanced Education's (MAE) 2017 *Guide to Military Friendly Colleges and Universities*, Best for Vets 2017, and Best for Vets Business 2017. This guide provides potential students with information about institutions that go out of their way to implement military friendly policies in support of our 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.

The university cooperates with the Veterans Administration to provide for the education of veterans under the provision of federal laws, including those eligible under the Chapter 33 Post 9/11 G.I. Bill, along with other VA educational benefit programs. The Office of the Registrar will assist students eligible under any of these programs. For additional information, contact:

Office of the Registrar
University of Northern Iowa
Cedar Falls, IA, 50614-0006
Phone: (319) 273-2273

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 (speech and debate team), under the auspices of the Department of Communication Studies, encourages participation of all interested students, both in debate and individual events regardless of major. The forensics squad participates in some 20-25 intercollegiate forensic meets per year on a regional and national basis. Participants may choose to enter debate or individual events. Further information is available at <https://commstudies.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/>.

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/>.

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 Men's Glee Club, Women's Chorus, 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

The legislative branch of Student Government at UNI is the Student Senate. The executive members include the president, vice-president, director of public relations, director of diversity and student life, director of administration and finance, and director of governmental relations. A Supreme Court, which comprises the judicial branch, also exists. The Northern Iowa Student Government promotes cooperation between students and faculty, seeks solutions to student concerns, and represents the entire student body in matters affecting student interests. More information is available at <https://nisdg.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://happenings.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

productions produced by Theatre UNI. 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

Any student is welcome to join the UNI Student Veterans Association. The purpose of this group is to educate the campus community about military veterans, support members of the military that are currently deployed, support veterans that are dealing with issues coming back from deployment, contribute to the improvement of UNI as a military friendly school, and have fun socializing with other veterans that attend the University of Northern Iowa.

University Facilities and Educational Services

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, the Office of Undergraduate Studies, and the School Library Studies program of the Department of Curriculum and Instruction.

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 million print books and journals
- Access to over 63,000 electronic journals
- Interlibrary Loan (for materials not held at Rod Library)
- Course reserves
- Checkout of phone chargers, DVDs, CDs, laptops and more

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
- Digital Media Hub

- Book Bistro
- Audio and video recording studios
- Equipment checkout
- 3-D printing

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 most days from 7 a.m. – midnight during the Fall and Spring semesters, with extended hours during finals.

All hours

www.library.uni.edu/about-us/hours

Research Help

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

Interlibrary Loan (for materials not held at Rod Library)

www.library.uni.edu/services/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 Kinesiology and 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, Advanced Diagnostic Imaging, Northeast Iowa Physical Therapy as well as space for sport medicine and hydrotherapy services; and the Davis Center for Healthy Youth Development provides space for Camp AdventureTM Child and Youth Services, Iowa Center on Health Disparities, Global Health Corps, 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, Veridian Credit Union branch, 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, LGBT* Center, Military and Veteran Student Center, and International Student Programs.

Student Life & 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 <https://studentlife.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 Connie Van Dyke, Museum Secretary, connie.vandyke@uni.edu or 319-273-2188.

For further information visit <https://museum.library.uni.edu/collections/rural-schools>

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 Studies 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, internal campus communication, campus distribution of mass e-mail, community relations activities, parent communication, 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 <https://ur.uni.edu/> or call 319-273-2761.

The University of Northern Iowa Alumni Association

The UNI Alumni Association boasts of more than 113,000 living alumni. More than 65% 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 info@unialum.org, visit our office at 304 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 alumnus. The

University Facilities and Educational Services

third scholarship is awarded to a UNI graduate student who received their bachelor's degree from UNI.

The UNI Office of Student Financial Aid coordinates the award.

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 to 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.

Students Today, Alumni Tomorrow (STAT)

STAT is truly fully integrated into the life of the campus and the community. STAT provides great social and professional networking opportunities, unique opportunities to support the university and athletic team, and offers exceptional discounts at local businesses. With over 2,000 members, STAT is the largest student organization at UNI.

Learn more at unialum.org/STAT.

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 at least two semesters prior to expected graduation date.

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 with potential majors and careers, while facilitating student success through exploration, transitions, connections and resources. Advising is a personalized educational experience, empowering students to explore, articulate and achieve their academic, career and life goals.

The Office of Academic Advising serves as the academic center for first year students in select majors, deciding students who are

exploring majors, students changing majors, and students reassessing their current academic situation. The Office of Academic Advising can help students:

- explore majors and link to careers
- relate career goals to majors
- select appropriate coursework and engagement experiences
- tailor academic programs to fit interests
- enroll in the credit bearing course POSTSEC 1050 (170:050) Career Decision Making
- interpret institutional requirements and processes
- develop critical thinking and decision-making skills

With a supportive community and network, the Office of Academic Advising guides students through a structured program, which includes individual attention, meaningful engagement, and a personalized experience 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
102 Gilchrist
319-273-3406

Academic Learning Center

007-008 Innovative Teaching & Technology Center (ITTC)

unialc.uni.edu

The Academic Learning Center (ALC) offers advising, tutoring and testing services to University of Northern Iowa (UNI) undergraduate and graduate students at all levels of preparation and achievement. Our mission is to inspire, challenge, and empower students to achieve academic success. Professional educators, advisors, staff, and trained, certified peers deliver quality services in an accessible, supportive environment to help students become more independent, effective, and confident learners.

Academic Achievement and Retention Services

**007 ITTC
319-273-6023**

Academic Achievement and Retention Services inspires students to achieve academic success and empowers them to develop personal/professional strengths. Services include:

- Personalized advising and academic planning
- Career/graduate school exploration
- Financial literacy education
- POSTSEC 1055 Strategies for Academic Success, a 2-credit hour course
- Collaboration with other campus offices/departments in delivering orientation and transition programs.

Examination Services

**007 ITTC
319-273-6023**

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 Series for Teaching Certification
- College Level Examination Program (CLEP tests for college credit)
- Test of English as a Foreign Language (TOEFL)
- American College Testing Program (ACT)
- CASTLE Worldwide 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 you 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) Revised General Test Miller Analogies Test (MAT)

Professional School Admission Tests:

- Law School Admission Test (LSAT)

For additional information on registration, fees, practice tests, and testing dates, please call 319-273-6023 or email examservices@uni.edu.

College Reading and Learning Center

**008 ITTC
319-273-6023**

Trained and certified academic coaches' help students develop and apply effective college reading, learning, study, and time management strategies with:

- Individualized appointments
- Workshops, courses, and presentations
- Preparation for the Praxis Core Reading exam
- GRE Verbal short course (fee based; visit unialc.uni.edu/grepreparation)

The College Reading and Learning Center also offers faculty consultation and workshops for specific courses and groups subject to staff availability.

Math and Science Services

**008 ITTC
319-273-6023**

Math and Science Services works in concert with UNI math and science faculty and in partnership with the Mathematics Department, the College of Humanities, Arts and Sciences, and affiliates of the Academic Learning Center to provide the following resources:

- Math and science tutoring
- Math and science preparedness consultations

University Facilities and Educational Services

- Supplemental Instruction for specific courses
- Calculator Lending Program
- Test-taking preparation and study skills
- GRE Quantitative short course (fee based: visit unialc.uni.edu/grepreparation)
- Workshops on effective study strategies for mathematics and science

Student Support Services (SSS)

007 ITTC
319-273-2179

Student Support Services is a federally-funded TRIO program that is designed to increase the retention and graduation rates of UNI students who meet federal eligibility requirements. Program staff serve as advocates for participants and, based on the individual needs of the student, provide the following free services for eligible participants:

- Academic advising, including assistance with course selection
- Personal and career advising
- Educational and long-range planning
- Monitoring of academic progress
- Two for-credit courses: POSTSEC 1050 (170:050) Career Decision Making and POSTSEC 1055 (170:055) Strategies for Academic Success

Student Support Services serves 200 eligible participants each year.

Writing Center

008 ITTC
319-273-6023

The Writing Center provides individualized feedback by appointment in planning, writing, revising, and documenting papers for undergraduate and graduate students in all majors. Trained, certified writing coaches and students work together to:

- Break writer's block and get class assignments, personal statements, and other projects started
- Identify problems with focus, development, organization, clarity, and grammar
- Practice effective planning, revising, editing, and proofreading strategies

GRE Analytical Essay short course (fee based; visit unialc.uni.edu/grepreparation)

In addition, the Writing Center offers faculty consultation and workshops customized for specific courses and groups, subject to staff availability.

Information Technology Services

Information Technology Services (ITS) 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.

- **ITS Web Site:** <https://it.uni.edu>
- **Support and Training:** <https://it.uni.edu/training>
- **Student Computer Labs:** <https://it.uni.edu/computer-labs>
- **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/support/article/1566>
- **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. 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 consist of the following programs: the UNI Center for Urban Education (UNI-CUE), the Educational Opportunity Center (EOC), the Educational Talent Search (ETS) Program, and the Classic Upward Bound (CUB) Program.

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. EOP/SCS programs are designed and coordinated specifically to meet students'

educational, social, and financial needs for pursuing their educational goals and prepare for careers.

The **Center for Urban Education (UNI-CUE)**, located in the heart of the urban area of Waterloo, Iowa, is the university's community connection. As a component of the EOP/SCS program, 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 County:

- **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 skills 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 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 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 Program (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 1,300 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.

The **Classic Upward Bound (CUB)** 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. CUB 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.

CUB 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, CUB 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 both to university and community members with speech, language, hearing, and other communication problems. 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/>

University Facilities and Educational Services

The UNI Child Development Center 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

Facilities

Department of Art

<http://uni.edu/art/>

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. Designed in consultation with the foremost experts on health safety in the arts, Kamerick Art Building provides spaces that are beautiful, functional, and safe.

UNI Gallery of Art and UNI Permanent Art Collection

<http://uni.edu/art/>

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 nine 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. Recent efforts have resulted in campus-wide and cross-community events funded by major grants from the Iowa Arts Council, Humanities Iowa, and the Elizabeth Firestone Graham Foundation.

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 state of the art 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, Jaune Quick-To-See Smith

and Jerry Uelsmann. This collection is complemented by numerous public art works, particularly projects funded by the Iowa Art in Public Buildings Program, and includes works by such noted artists as Fletcher Benton, Dale Chihuly, Gary Kelley, Ray King, and Dennis Oppenheim.

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

Art Computer Lab

The Computer Lab is located on the second floor of Kamerick Art Building, adjacent to the Graphic Design Studios. Students and faculty in the Department of Art have access to an impressive array of state of the art equipment and software for working with typography and layout, digital photography, animation and video editing.

Department of Communication Studies

<https://commstudies.uni.edu/>

Lang Hall

UNI Interpreters Theatre serves as both a teaching studio for performance studies classes and as a performance/rehearsal space for public performances. The 100-seat flexible black-box style studio is equipped with full light and sound support.

Department of Kinesiology

www.uni.edu/coe/departments/kahhs/facilities-and-locations

The nationally award winning Wellness/Recreation Center houses the Department of Kinesiology and is the home of the dance program. Opened in 1997 the building includes the dance studio, additional movement spaces, seminar rooms and classrooms, research labs and faculty and administrative offices necessary for dance classes, dance rehearsals and the dance curricula. Additional facilities used for performances include Lang Hall, Russell Hall, Gallagher-Bluedorn Performing Arts Center on campus and the Oster-Regent Theatre in downtown Cedar Falls.

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 Fine and Performing Arts at UNI

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 Theatre UNI. 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.

Department of Art

<http://uni.edu/art/>

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 as well as Vertigo A-Go-Go, a yearly evening of student performance art. Students also mount exhibitions in the Dean's Triangle, located in the Communication Arts Center and the student-run In-Use Gallery on the second floor of the Kamerick Art Building.

Department of Communication Studies

<https://commstudies.uni.edu/>

UNI Interpreters Theatre

Is a co-curricular program in the Department of Communication Studies that involves students from across campus. In this performance group, small-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 eating

disorders, children's literature, rural farm families, and romance readers. Students do not need to have prior performance experience to participate. For further information, contact Dr. Karen Mitchell in the Department of Communication Studies at 319-273-2640.

School of Music

<https://music.uni.edu>

Undergraduate Programs

The School of Music at UNI enrolls approximately 350 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 (Liberal Arts Core) 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 (five tracks): General Studies, Jazz Studies, String Pedagogy, Performing Arts Management, and Music Technology;
- Bachelor of Music in Performance;
- Bachelor of Music in Composition-Theory;
- 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 (three specializations);
- Master of Music in Composition-Theory;
- 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; and
- 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.

Theatre UNI

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

Sturgis Youth Theatre

This program seeks to provide theatre education classes to and in the community, and produce high quality theatre by and for young audiences off-campus.

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 Studies

<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 non-performance participation are also needed for technical support. For further information, contact Dr. Karen Mitchell in the Department of Communication Studies at 319-273-2640.

Department of Kinesiology

www.uni.edu/dance

Dance classes and the dance performing groups are housed in the Department of Kinesiology. Students receive academic credit for participating in the performing groups.

International Dance Theatre

This dance company is the student-based performing group of the UNI Folk and Ballroom Dancers. It performs a varied repertoire of multicultural and ballroom dances from around the world, including the United States. It is open to all interested UNI students, faculty and staff and is governed by elected student officers. The company presents two formal stage concerts a year. In addition, it presents numerous road shows and mini-concerts each year. The group is also available for school residencies which can include assembly

performances as well as workshops for multicultural dance for all grade levels.

Orchesis Dance Company

This dance company is comprised of students interested in pursuing the choreography, performance, and production of ballet, jazz, modern, and tap styles of dance. Members are selected through auditions held toward the end of fall and spring semesters. It is governed by elected student officers. Orchesis presents two formal stage concerts a year. The company is also available for performances, clinics, and classes for the community.

Young Peoples Dance Theatre

This group is a before and after school dance program offered to second through fifth grade boys and girls in local schools. It provides a variety of dance forms with an emphasis on creative movement throughout the year plus international folk dance during the Fall session and an exposure to ballet, jazz and tap dance during the Spring session. UNI students serve as instructors.

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 Men's Glee Club, Women's Chorus, 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>.

Gallagher-Bluedorn Performing Arts Center

www.gbpac.org

The GBPAC offers numerous internships and job opportunities, including event management, stagehands, marketing, and education. For more information call 319-273-3660.

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 Theatre UNI 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,

The Fine and Performing Arts at UNI

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.

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.

Department of Art

<http://uni.edu/art/>

The Department of Art promotes the arts not only on the UNI campus but also 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 Kinesiology

<https://coe.uni.edu/kahhs/dance>

Participation in the dance performing groups is open to UNI faculty, staff and local community members as well as UNI students. The companies are available for performances, workshops and assembly programs for local and statewide groups.

They collaborate with the Artists Series program of the Gallagher-Bluedorn Performing Arts to host visiting dance artists for master classes and informal gatherings.

The dance faculty members are actively engaged in state, regional, and national level professional organizations and art organizations. They regularly attend conferences and they encourage and assist students in attending these as well.

School of Music

<https://music.uni.edu>

UNI Suzuki Program

The UNI Suzuki School, founded in 1976, offers individual and group lessons in violin, viola, cello, flute, harp, and guitar (based on the Suzuki philosophy) to approximately 200 northeast Iowa students, ranging from ages 3 to 18, to adults. In addition, the school includes several levels of theory classes, small ensemble sessions, and participation with visiting artists to the university community. The school provides annual individual/group recitals and outreach performance opportunities. It also sponsors an advanced violin performance group Fiddlesticks, the Northern Iowa Junior Orchestra (area string students in grades 6-8), and the Northern Iowa Youth Orchestra (area string students in grades 9-12). The school is also part of a collaborative effort with the Center City for the Arts in Waterloo to bring quality violin instruction to students in the urban neighborhood. This project is called Music Works and provides year-round scholarships and instruments to these youths. There are opportunities for UNI students to teach and observe.

UNI Community Music School

The UNI Community Music School, founded in 2006, offers private lessons for beginning, intermediate, and advanced students, and outreach teaching opportunities for UNI School of Music students. Instruction is individually designed to meet each student's needs and is offered in cooperation with the public/private/parochial school programs. During each semester, students participate in an informal Performance Class/Recitals where they share their music with other students, family, and friends. The *Northern Iowa Children's Choir (NICC)* was formed in January of 1997 in order to provide an additional choral experience for the students in the Cedar Valley area, to offer opportunities for the music education majors at UNI to work with children in a choral setting, and to serve as a model for teaching, conducting, and management for all UNI students. The members of NICC represent approximately 30 different schools and range in age from those entering grade four to those completing grade eight. These students have been accepted into the choir through audition. The *UNI New Horizons Band* was started January of 1999 to give an opportunity for those 50 years of age or older to take group lessons and play in band. This includes beginners, those who may have previously played or those who currently play a band instrument. There are opportunities for UNI students to be involved in teaching group lessons to members.

For more information visit music.uni.edu.

Gallagher-Bluedorn Performing Arts Center

www.gbpac.org

Friends of the Gallagher-Bluedorn offers the opportunity to support programming and educational programs with membership in the organization.

GBPAC Advisory Board. The GBPAC is made up of an advisory board consisting of representatives from the community, UNI students, and faculty.

Department of Theatre

<https://theatre.uni.edu/>

Friends of Theatre UNI

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

Assessing Student Learning at UNI

UNI is committed to the assessment of student learning for purposes of 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.

Assessment activities at UNI are conducted by academic, administrative, and student affairs departments and units and may take the form of surveys, standardized tests, program evaluation forms, focus groups, student projects, student reflective activities, 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. Some assessments may be voluntary; others may be required.

Assessment-related data are kept confidential for individual students and are released only in aggregate form. Unless the assessment tool is also part of the assignments for a course, student performance in the assessment activity does not affect course grades or progress toward graduation.

Additional information about assessment policies and processes at UNI can be found on the website for the Office of Academic Assessment <https://assessment.uni.edu/>.

Questions about assessment at UNI can be directed to the Office of Undergraduate Studies.

Academic Program: Student Load

The registration of every student is subject to the approval of her/his advisor.

The regular work of an undergraduate student for the fall or spring semester usually consists of 16 or 17 hours. First semester students are limited to a maximum of 18 hours.

Students may register for hours up to and including the limits stated below without obtaining special permission:

- Probation and Warning Students: 14 hours
- All Other Undergraduates: 18 hours
- Graduate Students: 15 hours

Undergraduate students who wish to register for an overload must get permission from their advisor and department head for approval **prior to registration**.

The normal maximum undergraduate student load during the summer session is one semester hour per week of instruction. Undergraduate students who wish to register for an overload must seek approval from their advisor and department head.

Graduate students who wish to register for an overload must submit an online graduate Student Request. A 3.00 GPA or above at UNI will usually be required for consideration of an overload request.

The maximum graduate student load during each semester of the academic year is 15 hours. Persons employed full-time should not register for more than 6 hours of graduate credit in any semester of the academic year.

The normal maximum graduate student load during the eight-week summer session is 9 hours; for shorter summer sessions the normal maximum load is 1 credit hour per week (i.e., 4 credit hours for a four-week session, 6 credit hours for a six-week session).

Exceptions to load restrictions for graduate students may be granted only by the Graduate College.

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

Graduate

- Full-time: 7 hours
- 3/4 time: 6 hours

- ½ time: 4-5 hours
- Less than ½ time: 1-3 hours

Change of Registration

Students may add classes, without approval, during the first seven (7) instructional class days of a semester. After the seventh 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 Refunds or Fee Reduction

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 refund or reduction of academic fees. For any two- or three-week session, there is no refund or reduction of academic fees. 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 fee reduction	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 fee reduction	Withdrawal on day number
100	before classes begin
90	1-3
75	4-6
50	7-8
25	9-10
0	11th day and beyond

6-week sessions

Percentage of fee reduction	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 fee reduction	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 advise the Office of the Registrar **in writing** at as early a date as possible of the need to cancel the registration, listing the reason(s) for withdrawing from the university. Withdrawal after classes begin will cause a tuition charge.

Student Identification Card (uCard)

Each new student receives an identification card (uCard) which is used throughout attendance at the university. A fee of \$25.00 is charged to replace this uCard.

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

Purpose:

It is the expressed focus of the University of Northern Iowa to further the educational development of each of its students. Occasionally, 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 part-time.

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 his/her 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 his/her 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, she must be allowed to return to the same academic and extracurricular status as before her medical leave began.
- Legally mandated absences such as jury duty or court subpoena.
 - a. Students participating in required university or legally mandated absences must inform each faculty member of their known and anticipated absences as far in advance as possible. 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; obligatory religious observances, 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 December 2, 2013)

(President's Cabinet, approved March 3, 2014)

(President and Executive Management Team, approved March 4, 2014)

Course Credit Expectation

An academic semester contains 15 weeks (approximately 75 days) of instruction. Students enrolled in courses whose mode of instruction is lectural/discussion-based should expect to have 15 hours of class contact over the length of the semester for each hour of credit available. Students should plan to spend two hours of preparation per credit hour each week of the term. Students enrolled in courses whose mode of instruction is activity-based should expect to have 30 hours of class contact over the length of the semester for each hour of credit available. Students enrolled in courses offered on a shorter-term basis should expect their class contact to be proportionately increased to be comparable with semester long course expectations.

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 liberal arts core 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

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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-, 1.67 grade points
- D+, 1.33 grade points
- D, 1.00 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 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. If a graduate student repeats a course, both grades count in computing the index.

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, s/he may be placed on Academic Suspension. No student in his/her 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 her/his 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 semester 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 14 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 placed on Academic Probation if his/her UNI cumulative GPA is less than a 2.0
- The student will be removed from Academic Alert and shall be in Good academic standing if his/her UNI cumulative GPA is a 2.0 or higher.

Academic Probation

Any **first-semester student** who has a UNI semester GPA below 1.0 will be placed on Academic Probation. Also, any **continuing student** will be placed on Academic Probation when their UNI cumulative GPA is below a 2.0. A student placed on Academic Probation must earn a minimum UNI semester GPA of 2.0 for each semester while on Academic Probation until his/her UNI cumulative GPA reaches 2.0 or higher.

While on Academic Probation, a student will be limited to 14 credit hours. Once a student's UNI cumulative GPA reaches 2.0 or higher, s/he 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 placed on Academic Suspension if his/her UNI semester GPA is less than a 2.0.
- The student will continue on Academic Probation if his/her UNI semester GPA is a 2.0 or higher and his/her UNI cumulative GPA remains below a 2.0.
- The student will be removed from Academic Probation and shall be in Good academic standing if his/her UNI cumulative GPA is a 2.0 or higher.

Academic Suspension

A student on Academic Probation who fails to earn a UNI semester GPA of 2.0 will be placed on Academic Suspension. Academic Suspension is for a minimum period of one calendar year 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 he/she has been academically reinstated.

Readmission after Suspension

Academic Suspension is for a minimum period of one calendar year. Only the most extenuating circumstances would warrant consideration for readmission before the minimum of one academic year has elapsed.

An undergraduate student who has been placed on Academic Suspension may be readmitted only after completing the *Application for Readmission from Academic Suspension* and receiving formal reinstatement from the Committee on Admission, Readmission, and Retention. The *Application for Readmission from Academic Suspension* can be completed and submitted online at <https://registrar.uni.edu/>. As a condition of reinstatement, a student may be subject to stipulations designed to increase academic success. A student who does not agree to these conditions may be denied readmissions or have her/his course schedule canceled for the semester.

A student who is readmitted after suspension will be placed on Academic Probation following Suspension beginning with the semester immediately following his/her return to UNI. A student readmitted after suspension must earn a minimum UNI semester GPA of 2.0 for each semester after being readmitted until his/her UNI cumulative GPA reaches 2.0 or higher. While on Academic Probation following Suspension, the student will be limited to 14 credit hours for a semester.

Academic Suspension for a second time is considered permanent. Only the most extenuating circumstances would warrant consideration for readmission from Academic Suspension a second time.

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

- The student will be permanently academically suspended if his/her UNI semester GPA is less than a 2.0.
- The student will continue on Academic Probation following Suspension if his/her UNI semester GPA is a 2.0 or higher and his/her UNI cumulative GPA remains below a 2.0.

- The student will be removed from Academic Probation following Suspension and shall be in Good academic standing if his/her UNI cumulative GPA is a 2.0 or higher.

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 completing at least 12 semester hours in **graded** work or in field experience in that semester. 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 on graduation from a bachelor's degree curriculum. To receive an honor rating, the student must earn not less than 55 semester hours of credit at this university (effective Spring 2008). Only credit *earned in residence at this university* is considered in making honor awards, except for students graduating with the Bachelor of Liberal Studies degree in which case both residence and non-residence credit taken at this university is considered.

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.

Qualifying first-year students will automatically be invited to join the University Honors Program upon their admission to the University of Northern Iowa. Entrance requirements include:

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- ACT composite of 27 or above (SAT-WER&M of 1280 or above) AND
- GPA of 3.70 or above

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://honors.uni.edu/entrance-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 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 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://honors.uni.edu/program-requirements> for a complete description of program requirements and a standard distribution of hours.

For more information, contact:

The University Honors Program
2401 College Street
Cedar Falls, IA 50614-0355
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 s(he) 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 or minor 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 Liberal Arts Core 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 (280:132) through TEACHING 3140 (280:140)), 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 Correspondence (specified as Guided Independent Study at UNI) 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 (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 (120:169), ACCT 3092/5092 (120:170g), ACCT 3179 (120:179), and ACCT 6090 (120:269).

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 Liberal

Arts Core 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 in a course may be earned by examination by undergraduates. Credit is earned only if a grade of A or B is received in the examination. A grade of C will release a student from a course requirement, but gives no credit. A grade below C gives neither credit nor release and is not recorded on the student's record. Credit earned by examination is recorded on the student's record only as Passed or Released. The results are not counted in a student's grade index.

Credit may not be established by examination for a course taken previously and failed, or for a course for which the student does not meet the prerequisite, or for a course which is a prerequisite to one for which credit has been earned.

Application for credit by examination is made to the Office of the Registrar, and approved by the head of the department offering the course and the dean of the college in which the course is offered.

The department gives the examinations and establishes the requirements for fulfilling the examinations. Credit by examination is open to most courses offered on campus; however, a student should discuss the course requirements with the department head before applying for credit by examination.

Note: For limitations in the total credit earned by examination, refer to *Graduate Degree Requirements in this 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 Classes

A student may register for classes on an audit (non-credit) basis at the University of Northern Iowa if a space is available in the class. If the addition of the course to be audited (visited) makes the student's total course load hours more than is permitted according to the student's grade point average, the student must also have written approval from the academic department of their major for an overload of course work.

There is no reduction of fees for auditing (visiting) a course.

Specific information on auditing (visiting) classes may be obtained from the Office of the Registrar. Visitors in the courses are not required to take examinations, take part in class discussions, or complete other work. Audits will not be recorded on the permanent record except by a student request approved by the instructor showing that the student regularly attended the course.

Writing in the Liberal Arts Core and the Disciplines

At UNI, students are expected to write in the Liberal Arts Core (LAC) and in each undergraduate major. Writing experience in both the LAC 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 Northern Iowa's LAC writing requirement by academic credit earned in one of the following ways (or an equivalent):

ENGLISH 1005 (620:005)	College Writing and Research	3
ENGLISH 2015 (620:015)	Craft of Academic Writing	3
ENGLISH 2120 (620:034)	Critical Writing About Literature	3
UNIV 1000 & UNIV 1010	First-Year Cornerstone: Integrated Communication I and First-Year Cornerstone: Integrated Communication II *	6

Academic Regulations

*(a two-semester sequence that satisfies both LAC 1A, Writing and Reading, and LAC 1B, Speaking and Listening)

Comparable writing instruction and practice may be available for qualified students in writing-enhanced sections of other Liberal Arts Core 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 (620:002) College Writing Basics provides instruction and practice designed to prepare students for success in courses that satisfy the LAC 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 Examination 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 Examination 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 Examination Services
007 Innovative Teaching and Technology Center
319-273-6023 or email unialc@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 senior may take Advanced Placement examinations in one or more academic subjects at the college level. UNI grants college credits in 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 chemistry). *(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 UNI Office of Admissions.

International Baccalaureate

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

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

<https://intladm.uni.edu/international-baccalaureate>

Specific information for IB credits already earned can be obtained by e-mailing:

<mailto:uginternational.admissions@uni.edu>
(uginternational.admissions@uni.edu)

For information on the International Baccalaureate curriculum, visit <http://www.ibo.org>

UNI's advanced standing credit policy ensures students are recognized for their college-level work accomplished during their secondary studies. These credits will satisfy university graduation requirements and will result in a savings of time and money.

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 semester hours at UNI before recommendation to the Board of Educational Examiners will be made; 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. 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, her/his 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. Such registration requires approval on a student request form (available <https://uni.edu/registrar/forms?page=2> or through department offices) by the student's advisor, the instructor of the course(s), and the head(s) of the

department(s) offering the course(s). Additional approval by the Graduate College on the student request form is required if the student's GPA is below 3.00, or if the registration is occurring during advanced registration the semester before the student attains senior standing. 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.

No course may count toward both an undergraduate and a graduate degree. 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. 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. 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 (e.g. personal interest, to satisfy provisions of admission, professional development or certification, etc.) must submit an online graduate student request through MyUNIVERSE. Request type Q should be used. 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). 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 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 under the workshop plan. Workshops provide residence credit, but a maximum of 6 semester hours may be applied toward graduation.

Occasionally, departments of the university may arrange extensive study tours here and abroad for credit. These trips are open to graduate and undergraduate students. Plans for this type of study and the number of hours of credit which may be earned are announced through university publications.

Student Requests for Exceptions to Academic Policy

Undergraduate students who wish to request that an individual exception be made to a stated academic policy should complete a Student Request in consultation with their advisors. Undergraduate Student Request forms are available online at <https://provost.uni.edu/resources> (Resources for Students), in all departmental offices, and from the Office of the Registrar. The advisor's signature is required for all requests. Other approvals may include the instructor, department head, dean, University Registrar, and Associate Provost for Academic Affairs, depending on the nature of the request.

Graduate students submit graduate student requests online. See Filing Graduate Student Requests.

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.

Academic Regulations

- d. **Cheating** Cheating is the use or attempted use of any unauthorized assistance in any academic exercise. Examples include but are not limited to:
- Copying from someone else's assignment, paper, quiz or exam.
 - Looking on someone else's exam before or during an examination.
 - Unauthorized use of notes or other aids during a quiz, exam or other performance evaluation.
 - During a quiz or exam, using an electronic device that contains unauthorized information.
 - Communicating or attempting to communicate answers, hints or suggestions during an exam using any means including electronic devices.
 - Collaborating, without prior permission from one's professor, in the preparation of assignments, lab reports, papers or take home exams.
 - Using another person's answers for an assignment.
 - Providing test questions to other students either orally or in written form.
 - 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:
- Tampering with, damaging, hiding or otherwise impeding other students' access to library materials or other related academic resources.
 - 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:
- 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.
 - Altering, forging or misusing academic records or any official University form regarding self or others.
 - Presenting false information at an academic proceeding or intentionally destroying evidence important to an academic proceeding.
 - Making a bad faith report of an academic integrity violation.
 - 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/studentconduct. 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 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 the website <https://policies.uni.edu/311>. The Family Educational Rights and Privacy Act and the regulations required by this act may be reviewed in the Office of the Registrar.

Student Persistence

Iowa Regents' Universities have conducted studies annually of student persistence to graduation. A summary of the findings of the most recent study may be secured from the Office of the Registrar.

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.

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

DISCRIMINATION, HARASSMENT, & SEXUAL MISCONDUCT POLICY

Purpose: Members of the campus community are entitled to an educational and working environment free of discrimination, harassment, and retaliation.

Policy Statement: The University of Northern Iowa is committed to achieving fairness and equity in all aspects of the educational enterprise and therefore prohibits discrimination, harassment, and retaliation under this policy. Alleged violations of this policy are subject to resolution using the Complaint Resolution Process detailed below. This policy applies regardless of the status of the parties involved, who may be members or non-members of the campus community, students, student organizations, faculty, administrators, and/or staff.

Persons who experience discrimination, harassment, or sexual misconduct may respond to the experience in many different ways, including feeling confused, vulnerable, out of control, embarrassed, angry, or depressed. 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 in Section VIII and at <https://safety.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. The designated Title IX Deputy Coordinators are the Dean of Students, Senior Associate Athletic Director, and Associate Director of Compliance and Equity Management. For those individuals who become aware of incidents involving discrimination, harassment, or sexual misconduct, reporting responsibilities are described in Section III. A complainant's options for reporting are addressed more specifically in Section IV. The complete policy can be found at <https://policies.uni.edu/1302#reportingresponsibilities>.

Undergraduate Information and Degree Requirements

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 four traditional baccalaureate degrees: the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Music, and the Bachelor of Science. The university also offers two additional baccalaureate degrees: the Bachelor of Applied Science (B.A.S.) and the Bachelor of Liberal Studies 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. The external degree of Bachelor of Liberal Studies is also offered by UNI, and details of this unique degree program 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 her/his 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 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.

Undergraduate Information and Degree Requirements

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 her/his situation.

- b. Eleven of the total number of semester hours accepted as advanced standing for R.N. certification are applied to Liberal Arts Core requirements in the areas of biology, chemistry, and interpersonal relationships. Specifically, the 11 hours would be dispersed in the following way:

- i *Category 4. Life and Physical Sciences*

1. Life Sciences - 3 hrs.
2. Physical Sciences - 3 hrs.

- ii *Category 5. Social Science*

1. Group A (1 course) - 2-3 hrs.
2. Group B (1 course) - 2-3 hrs.

One course from Group A, B, or C is required.

The student will be held to courses required in the remaining Liberal Arts Core 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 to UNI a year's credit from the professional school to complete the requirements for a Bachelor of Arts degree at UNI:

- Chiropractic
- Medical Laboratory Sciences
- Nursing 3+1

A student shall complete at UNI 32 credits plus 10 credits at the BIOL 3000/4000 level and the requirements for the B.A. (Joint Program Option) in Biology and have a total of at least 90 semester hours recognized by 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.

Acceptance of credit from professional schools of chiropractic and medical technology toward meeting part of degree requirements:

A student who has completed three years or more of college work with a minimum of 90 semester hours, of which at least the last 30 hours of work were completed at the University of Northern Iowa before admission to an accredited professional college, may use professional credit 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 pursuing 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 visit the website <https://biology.uni.edu/pre-professional-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, Nuclear Medicine Technology, and Clinical Laboratory Technology. 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, a student will have a bachelor's degree in Biology from UNI and a bachelor of Health Sciences from the Medical Laboratory Sciences institution.

5. Dual degree program in chiropractic medicine with Logan College of Chiropractic, Chesterfield, MO; Palmer College of Chiropractic, Davenport, IA; and Cleveland University –

Chiropractic & Health Sciences, Overland Park KS. 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 liberal arts 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.

A student who expects to transfer to another institution should declare her/his 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 her/his 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. The A.A. degree from all Iowa community colleges fulfills the majority of the Liberal Arts requirements at UNI. The reverse transfer agreement allows students to complete their A.A. degree after transferring by using UNI courses to complete the A.A. degree.

The Admissions Partnership 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, also known as articulation agreements, have been developed between UNI and all Iowa community colleges for particular 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. Additionally, UNI has developed a 2+2 program. Students in this program earn an A.A. degree from a community college or have completed a similar set of courses at another institution and the UNI portion of a 2+2 program is offered at the community college for students who are place bound or career changing. These include B.A. degrees in elementary education teaching and early childhood education endorsement. Called a 2+2 program, the time to complete a degree may take more than four 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,

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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 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 \$5,000 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 Cadet Initial Entry Training (CIET). 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 \$5,000 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 \$5,000 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. Military Science Minor

The Military Science Department offers a minor in Military Science. 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 West Gym (Room 203), UNI campus; or call the student advisor at 319-273-6178 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:

Liberal Arts Core (minimum 44 hours) *	44
Major, minor, foreign language, electives	76
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 her/his 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
- Chemistry
- Communication
- Communication/Digital Media
- Communication/Public Relations
- Communication Disorders
- Computer Science
- Criminology
- Earth Science
- Economics
- English
- Environmental Resource Management
- Family Services
- Finance
- General Studies
- General Studies for Registered Nurses
- Geography

- Gerontology
- Global Studies
- Graphic Design
- Graphic Technologies
- Health Promotion
- History
- Humanities
- Individual Studies
- Interactive Digital Studies
- Interior Design
- Leisure, Youth and Human Services
- Management
- Management Information Systems
- Marketing
- Mathematics
- Mathematics-Statistics/Actuarial Science
- Movement and Exercise Science
- Music
- Philosophy
- Physics
- Political Communication
- Political Science
- Psychology
- Public Administration
- Real Estate
- Social Work
- Sociology
- Spanish
- Study of Religion
- Supply Chain Management
- Teaching English to Speakers of Other Languages (TESOL)
- Technology Management
- Textile and Apparel
- Theatre

Minors

- Accounting
- Air Quality
- Anthropology
- Art
- Art History
- Astronomy
- Biology
- Business Communication
- Chemistry
- Communication

- Communication/Digital Journalism
- Communication/Digital Media Leadership
- Communication/Public Relations
- Computer Science
- Criminology
- Earth Science
- Economics
- Educational Technology
- Electrical and Electronics Technology (EET)
- English
- Environmental Earth Science
- Ethics
- Family Studies
- Finance
- General Business Concepts
- Geography
- Geology
- Gerontology
- Graphic Technologies
- Health Promotion
- History
- Interactive Digital Studies
- Interdisciplinary Language Studies: French
- International Affairs
- International Business
- International Business (non-business majors)
- Jazz Studies
- Leisure Services
- Manufacturing Technology Design
- Marketing
- Mathematics
- Mathematics: Statistics and Actuarial Science
- Mental Health
- Military Science
- Music
- Nanoscience and Nanotechnology
- Organizational Leadership
- Philosophy
- Physics
- Political Science
- Politics and Law
- Psychology
- Public History
- Real Estate
- Real Estate-Business

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- Religion
- Russian and East European Studies
- Social Welfare
- Sociology
- Spanish
- Spanish/English Translation
- Teaching English to Speakers of Other Languages (TESOL)
- Technology Management
- 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.

Liberal Arts Core (minimum 44 hours) *	44
Professional Education Requirement	32
Major, minor, electives **	44-67
Total Hours	120-143

B. Preparation for teaching in the elementary school (kindergarten and grades 1-6).

Liberal Arts Core (minimum 44 hours) *	44
Professional Education Requirement	33
Major requirements	48-53
Area of Specialization ***	12
Total Hours	137-142

C. Preparation for teaching in early childhood education (birth through grade 3).

Liberal Arts Core (minimum 44 hours) *	44
Professional Education Requirement	33
Major requirements	58-61
Total Hours	135-138

* The required professional education course EDPSYCH 2030 (200:030) (Dynamics of Human Development) can also count toward the requirements for the Liberal Arts Core Category 5C.

** Number of hours determined by declared program area. See appropriate major within Program Requirements section of this catalog for specific requirements.

*** Liberal Arts Core 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.

Admission procedures are initiated at a required orientation session during Level I of the Professional Education sequence. 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 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. All students should complete training in universal precautions related to bloodborne pathogens (HIV, Hepatitis B and Hepatitis C) prior to the start of their first field experience. This training is provided in the first few weeks of the fall and spring semesters. Students can also complete the training on their own in the Instructional Resources and Technology Services Center, Schindler Education Center 202; <https://coe.uni.edu/irts>.

SPED 3150 (220:150)	Meeting the Needs of Diverse Learners in Classrooms *	2
INSTTECH 1020 (240:020)	Secondary Educational Technology and Design	2-3
or INSTTECH 1031 (240:031)	Educational Technology and Design	
TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application **	3
Level I		
TEACHING 2017	Level 1 Field Experience: Exploring Teaching	1
EDPSYCH 2030 (200:030)	Dynamics of Human Development	3
Level II ***		
TEACHING 3128	Level 2 Field Experience: Teacher as a Change Agent	1
EDPSYCH 3148 (200:148)	Learning and Motivation in Classroom Contexts	3
MEASRES 3150 (250:150)	Classroom Assessment	2
Level III †		
SOCFOUND 3119 (260:119)	Schools and American Society	3
Student Teaching (280:1xx) (course number denotes area in which experience is gained) ‡		12
TEACHING 3132 (280:132)	Early Childhood Teaching	
TEACHING 3134 (280:134)	Elementary Teaching	
TEACHING 3135 (280:135)	Special Education Teaching	
TEACHING 3137 (280:137)	Middle School/Junior High Teaching	
TEACHING 3138 (280:138)	Secondary School Teaching	

TEACHING 3139 (280:139)	Vocational/Technical Teaching
TEACHING 3140 (280:140)	Special Area Teaching: Art, ESL, Music, and Physical Education
TEACHING 6250 (280:250)	Advanced Laboratory Practice
Total Hours	32-33

- * Prerequisite: EDPSYCH 2030 (200:030) or equivalent. Course *EDPSYCH 2030 (200:030)* may be used to satisfy Category 5C of the Liberal Arts Core.
- ** Before enrolling in TEACHING 4170/5170 (280:170g), the student must be fully admitted to the Teacher Education Program.
- *** Before enrolling in Level II, the student must be fully admitted to the Teacher Education Program and have a cumulative GPA of 2.50 or higher.
- † Before enrolling in Level III, the student must be fully admitted to the Teacher Education Program and have a cumulative GPA of 2.50 or higher.
- ‡ 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, and meet all GPA requirements.

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 INSTTECH 1020 (240:020). A student changing to a different education major from Technology Education may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), depending upon the new major.
2. Physical Education majors may substitute PEMES 3174 (420:174) for MEASRES 3150 (250:150). A Physical Education major changing to a different education major from Physical Education may be required to complete MEASRES 3150 (250:150).
3. Physical Education majors will be waived from SPED 3150 (220:150). A student changing to a different education major from Physical Education would be required to complete SPED 3150 (220:150).
4. Music Education majors will be waived from MEASRES 3150 (250:150). A student changing to a different education major from Music Education would be required to complete MEASRES 3150 (250:150).
5. Music Education majors will be waived from INSTTECH 1020 (240:020). A student changing to a different education major from Music Education may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), depending upon the new major.
6. Art Education majors will be waived from INSTTECH 1020 (240:020). A student changing to a different education major from

Art Education may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), depending upon the new major.

7. Secondary science teaching majors (Science Education, Biology, Chemistry, Earth Science, and Physics) will be waived from INSTTECH 1020 (240:020). A student changing to a different education major from Science Education, Biology, Chemistry, Earth Science, and Physics may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), depending upon the new major.
8. Secondary business education teaching majors will be waived from INSTTECH 1020 (240:020). A student changing to a different education major from business education may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), depending upon the new major.
9. Secondary modern language education majors will be waived from INSTTECH 1020 (240:020). A student changing to a different education major from modern language may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), depending upon the new major.
10. Secondary mathematics teaching majors will be waived from INSTTECH 1020 (240:020). A student changing to a different education major from mathematics may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), 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 INSTTECH 1020 (240:020). A student changing to a different education major from TESOL or TESOL/Modern Languages may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), depending upon the new major.
12. Early Childhood Education majors will be waived from MEASRES 3150 (250:150). A student changing to a different education major from Early Childhood Education would be required to complete MEASRES 3150 (250:150).
13. Physical Education majors may substitute PEMES 2031 "Teaching Physical Education with Technology" for INSTTECH 1031 (240:031). A student changing to a different education major from Physical Education may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), 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. earn at least 24 semester hours of credit;
3. earn at least a 2.50 cumulative GPA;
4. file an acceptable Application for Admission to Teacher Education (available: SEC 152 or online at <https://teachered.uni.edu/>);
5. attend Teacher Education orientation;

Undergraduate Information and Degree Requirements

6. credit for TEACHING 2017 Level 1 Field Experience: Exploring Teaching or the equivalent;
7. complete ENGLISH 1005 (620:005) College Writing and Research or the equivalent with a grade of C- (1.67) or better (effective January 1, 2009, see note below)**;
8. complete COMM 1000 (48C:001) Oral Communication or the equivalent with a grade of C- (1.67) or better (effective January 1, 2009, see note below)**;
9. complete the Liberal Arts Core Category 1: Core Competency C (Quantitative Techniques and Understanding) math course (or equivalent) with a grade of C- (1.67) or better (effective January 1, 2009, see note below);
10. receive the required minimum scores on the UNI designated pre-professional skills exam over mathematics, reading, and writing and receive any required total score or better across all required sections of the required pre-professional skills exam*;
11. demonstrate Acceptable Dispositions (absence of any Notification of Concern)
12. fulfill any additional requirements as prescribed by the Teacher Education Program, the Iowa Board of Educational Examiners, or the Iowa Department of Education.

* For more information, contact the Office of Teacher Education (319-273-2265) or consult the Teacher Education website www.uni.edu/teachered.

** Teaching majors taking UNIV 1059 *First Year Cornerstone* must earn a C- or better in both semesters in order to meet these two admission standards. Teaching majors who earn less than a C- in the first semester Cornerstone course or in the second semester Cornerstone course will be required to take COMM 1000 (48C:001) Oral Communication and ENGLISH 1005 (620:005) College Writing and Research in order to meet the admission requirements for Teacher Education.

Note: Courses completed as part of A.A., B.A., B.S., or other degree may not be actual equivalents of UNI Liberal Arts Core courses, and thus may not meet the requirements specific in 5, 6, and 7 above. Students who do not have equivalent courses will need to take additional course work to meet these three requirements.

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 Coordinator of Elementary Teacher Education or the Coordinator of Secondary Teacher Education Programs 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 and to check this address at least twice weekly.

Information concerning fee payments for tests, registration procedures, and test dates are available by contacting:

Office of Teacher Education
152 Schindler Education Center (SEC)
UNI
319-273-2265

or

Examination Services
007 Innovative Teaching and Technology Center (ITTC)
UNI
319-273-6023

Field and Clinical Experiences

At the University of Northern Iowa experiences in teaching and the observation of teaching are an integral part of the Teacher Education curriculum. The emphasis on experimentation and creative approaches gives the student insight into turning theory into practice. Professional experiences include field experiences and participation, with supervised observations, that culminate in the actual period of student teaching.

Supervised observations give the student an opportunity to see the teaching-learning process without becoming involved in the on-going activity itself. In the field experiences, the student takes an active part in the teaching-learning situation or other community activities under the direction and guidance of a qualified professional.

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 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. All students should complete training in universal precautions related to blood borne pathogens (HIV, Hepatitis B and Hepatitis C) prior to the start of their first field experience. This training is provided in the first few weeks of the fall and spring semesters. Students can also complete the training on their own in the Instructional Resources and Technology Services Center (Schindler Education Center 202; <https://coe.uni.edu/irts>).

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*; Mandatory Reporter of Child Abuse; OSHA Universal Precautions Standards Training;
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. Mathematics majors are required to have a major GPA of 2.50 or higher AND departmental approval; and
9. 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 background checks, and pass additional exit requirements as may be 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.

Many states, including Iowa, now require successful completion of designated examinations to receive a teaching license. Information concerning fee payments for tests, registration procedures, and test dates are available by contacting:

Office of Teacher Education
152 Schindler Education Center (SEC)
UNI
319-273-2265
or

Examination Services
007 Innovative Teaching and Technology Center (ITTC)
UNI
319-273-6023

Additional information on teacher licensure is provided in this University Catalog.

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 Office of Teacher Education, 319-273-2265, or see <https://teachered.uni.edu/appeal> for more information.

Emergency Suspension: Any student may be suspended *immediately* by the Coordinator of Elementary Teacher Education or the Coordinator of Secondary Teacher Education 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 Office of Teacher Education (SEC 159A).

Undergraduate Information and Degree Requirements

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 Council on Teacher Education, 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 Technology.

Minors

- Basic Science (K-8)
- Biology
- Coaching
- Communication-Theatre
- Early Childhood Special Education
- Earth Science
- English
- Health Education
- 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. 23-24 hours of Liberal Arts Core classes, as outlined below (of which 9 hours can be transferred in as LAC 1A, 1B, and 1C);
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.

Liberal Arts Core Requirements for B.A.S. Degree*:

Students must meet the following undergraduate Liberal Arts Core requirements as specified below.

Summary:

1. 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.	
2. Category 2: Civilizations & Cultures (1 course from Category 2A or 2B)	3
3. Category 3: Fine Arts, Literature, Philosophy & Religion (1 course from Category 3A or 3B)	3
4. Category 4: Natural Science & Technology (1 course from Category 4A or 4B)	3
5. Category 5: Social Science (1 course from Category 5A, 5B, or 5C)	3
6. 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 (48C:173)	Business and Professional Oral Communication	3
ENGLISH 3770	Technical Writing in Applied Sciences	3
Total Hours		6

Majors

- Criminal Justice
- Managing Business and Organizations
- Tactical Emergency Services with Vulnerable Populations
- Technology

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 130 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

Liberal Arts Core	44
Major Requirements	78
General Electives	8
B.F.A. Senior Exhibition	0
Total Hours	130

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).

Liberal Arts Core	41
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.

Undergraduate Information and Degree Requirements

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 I 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 subject matter and cognate areas, particularly in advanced-level course work. This degree is especially appropriate for students planning post-baccalaureate study in graduate or professional schools.

Since this degree assumes a higher degree of concentration in subject matter, a major leading to this degree will ordinarily require at least eight 100-level* semester hours of credit more than an identically-named major leading to a Bachelor of Arts degree. A minimum of 126 semester hours is required for the Bachelor of Science degree.

Requirements include:

1. a minimum of 56 hours in the subject and cognate areas with:
 - a. at least 36 hours in the subject area;
 - b. at least one 100-level* course in cognate areas;
2. the completion of undergraduate research or internship carrying 1-2 semester hours of credit applicable to either the subject or cognate area(s). This project should result in the completion of a written report. The major department must certify to the Registrar that the research requirement has been met before the degree is granted;
3. the completion of the Liberal Arts Core requirements selected from courses included in the six Liberal Arts Core categories.

* See course descriptions for 4-digit numbers (implemented Fall 2011) associated with 100-level courses.

Majors

- Biochemistry
- Biology
- Chemistry

- Computer Science
- Construction Management
- Electrical Engineering Technology (EET)
- Environmental Science
- Geography: Geographic Information Science
- Manufacturing Engineering Technology
- Networking and System Administration
- Physics
- Technology and Engineering Education-Teaching*

* This is the only Bachelor of Science teaching major.

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 60 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.

Liberal Arts Core 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 Liberal Arts Core 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
2637 Hudson Road
Cedar Falls, IA 50614-0223

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 <https://continuinged.uni.edu/distance/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.

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

Select one of the following:

Undergraduate Information and Degree Requirements

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 (620:005)	College Writing and Research **	
ENGLISH 2015 (620:015)	Craft of Academic Writing ***	
ENGLISH 2120 (620:034)	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 (48C:001)	Oral Communication	
C. Quantitative Techniques and Understanding #		3
Select one of the following:		
CS 1025 (810:025)	Modern Tools for Exploring Data	
MATH 1100 (800:023)	Mathematics in Decision Making	
MATH 1420 (800:060)	Calculus I	
STAT 1772 (800:072)	Introduction to Statistical Methods	
STAT 1774 (800:064)	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 (620:005) recommended for students with ACT English and Reading scores of 18-26.

*** ENGLISH 2015 (620:015) has prerequisite of combined ACT English and Reading scores of 54 or higher.

^ ENGLISH 2120 (620:034) 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 (680:021)	Humanities I: The Ancient, Classical, and Medieval Worlds	
HUM 1022 (680:022)	Humanities II: The Renaissance, Reformation, and Enlightenment	
HUM 1023 (680:023)	Humanities III: The Age of Revolution to the Present	
B. Non-Western Cultures		3
HUM 3121 (680:121)	Russia/Soviet Union	
HUM 3122 (680:122)	Japan	
HUM 3123 (680:123)	Latin America	
HUM 3124 (680:124)	China	
HUM 3125 (680:125)	India	
HUM 3127 (680:127)	Middle East	
HUM 3128 (680:128)	Africa	
HUM/ANTH 3132	Native North America	
HUM/ANTH 3137	Native Central and South America	
SPAN 3020 (780:120) may substitute for the non-Western Cultures requirement.		
Total Hours		9

* SPAN 3020 (780:120) 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 (420:034)	Survey of Dance History	
THEATRE 1002 (490:002)	The Theatrical Arts and Society	
MUSIC 1100 (520:010)	Soundscapes: Music in Culture	
ART 1002 (600:002)	Visual Inventions	
ARTHIST 1004 (600:004)	Visual Perceptions	
MUS HIST 1020 (590:002) may substitute for the Fine Arts requirement for all music majors.		
THEATRE 3060 (490:135) may substitute for the Fine Arts requirement for all theatre majors.		

B. Literature, Philosophy, or Religion 3

ENGLISH 1120 (620:031)	Literature: (topic)
RELS 1020 (640:024)	Religions of the World
PHIL 1020 (650:021)	Philosophy: The Art of Thinking
GER 1120 (740:031)	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 (990:010)	Human Origins
BIOL 1012 (840:012)	Life: The Natural World
BIOL 1013 (840:013)	Life: The Natural World - Lab *
BIOL 1014 (840:014)	Life: Continuity and Change
BIOL 1015 (840:015)	Life: Continuity and Change - Lab *

The following major and/or minor courses can substitute for the Life Sciences requirement:

BIOL 1033 (840:033)	Principles of Microbiology *
BIOL 2051 (840:051)	General Biology: Organismal Diversity *
BIOL 2052 (840:052)	General Biology: Cell Structure and Function *
BIOL 3101 (840:101)	Anatomy and Physiology I *
SCI ED 1200 (820:032)	Inquiry into Life Science *

B. Physical Sciences 3

Select one of the following:	
CHEM 1010 (860:010)	Principles of Chemistry *
CHEM 1011 (860:011)	Molecules and Life *
EARTHSCI 1100 (870:010)	Astronomy **
EARTHSCI 1110 (870:011)	Astronomy Laboratory *
EARTHSCI 1200 (870:021)	Elements of Weather
EARTHSCI 1210 (870:022)	Elements of Weather Laboratory *
EARTHSCI 1300 (870:031)	Introduction to Geology *
GEOG 1210 (970:026)	Physical Geography
GEOG 1211	Physical Geography Laboratory
PHYSICS 1000 (880:012)	Physics in Everyday Life
PHYSICS 1400 (880:011)	Conceptual Physics *

TECH 1015 Introduction to Sustainability

The following major and/or minor courses can substitute for the Physical Sciences requirement:

CHEM 1020 (860:020)	Chemical Technology *
CHEM 1110 (860:044)	General Chemistry I *
CHEM 1130 (860:070)	General Chemistry I-II *
EARTHSCI 3328 (870:125)	Fossils and Evolution
PHYSICS 1511 (880:054)	General Physics I *
PHYSICS 1701 (880:130)	Physics I for Science and Engineering *
SCI ED 1100 (820:033)	Inquiry into Earth and Space Science *
SCI ED 1300 (820:031)	Inquiry into Physical Science *

Total hours 7

* Lab Course.

** Lab Course if 4-hour option elected.

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 (990:011)	Introduction to Cultural Anthropology
GEOG 1120 (970:010)	Human Geography
HISUS 1023	History of the United States
SOC 1000 (980:001)	Introduction to Sociology
WGS 1040 (680:040)	Women's and Gender Studies: Introduction

B. Group B Individual and Institutional Perspectives 3

ECON 1031 (920:024)	Introduction to Economics *
FAM SERV 1010 (31F:010)	Human Identity and Relationships
POL AMER 1014 (942:014)	Introduction to American Politics
PSYCH 1001 (400:001)	Introduction to Psychology

C. Group C Diversity and Global Issues 3

EDPSYCH 2030 (200:030)	Dynamics of Human Development
GEOG 1110 (970:040)	World Geography
POL GEN 1020 (940:020)	Contemporary Political Problems
POL INTL 1024 (943:024)	International Relations
SOC 1060 (980:060)	Social Problems
SOC SCI 1020 (900:020)	Women, Men, and Society
SW/SOC SCI 1041	Social Welfare: A World View

Undergraduate Information and Degree Requirements

SW 2045/SOC SCI 1045 (900:045)	American Racial and Ethnic Minorities
Total Hours	9

- * Satisfactory completion of both ECON 1041 (920:053) and ECON 1051 (920:054) by all non-business majors and Business Teaching majors, through UNI or transfer, may substitute for ECON 1031 (920:024).

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 Computer Science

- Computer Applications Certificate
- Computer Science Certificate
- Software Testing Certificate

Department of Curriculum and Instruction

- Education of the Gifted
- Instructional Technology Facilitator Certificate
- Advanced Studies Certificate Literacy Coach
- Advanced Studies Certificate Reading Recovery Teacher Leader

Department of Educational Leadership and Postsecondary Education

- Advanced Studies Certificate in Educational Leadership
 - Emphasis: Principalship
 - Emphasis: Superintendent Preparation Program

Department of Finance

- Financial Analysis Certificate
- Financial and Real Estate Sales for Business Majors (also listed in Department of Marketing)

Department of Geography

- Certificate in Crime Mapping and Analysis (joint coordination with Department of Sociology, Anthropology, and Criminology)

- Certificate in Geographic Information Systems (GIS) and Cartography

Department of History

- Certificate in Public History

Department of Health, Recreation and Community Services

- Aquatics Specialization Certificate (also listed in Department of Kinesiology)
- Certificate in Global Health and Humanitarian Assistance
- Environmental Health Certificate
- Nonprofit Management Certificate
- Outdoor Recreation Certificate
- School-Age Care Leadership Certificate
- Tourism Certificate

Department of Kinesiology

- Aquatics Specialization Certificate (also listed in Department of Health, Recreation and Community Services)

Department of Languages and Literatures

- Certificate in French Language Studies
- Certificate in German Language Studies
- Certificate in Hispanic Cultures
- Certificate in International Commerce
- Certificate in Post-Colonial and Multicultural Literary Studies
- Certificate in Spanish Language Studies
- Certificate in Spanish For Special Purposes
- Certificate in Teaching English to Speakers of Other Languages (TESOL)

Department of Marketing

- Certificate in Entrepreneurship
- Certificate in Financial and Real Estate Sales for Business Majors (also listed in Department of Finance)

Department of Mathematics

- Statistical Computing

School of Music

- Artist Diploma (I)
- Artist Diploma (II)

Department of Physics

- Certificate in Physics Teaching

Department of Political Science

- Certificate in International Peace and Security
- Certificate in Public Administration (graduate certificate)

- Certificate in Public Personnel & Human Resources
- Certificate in State and Local Government

Department of Psychology

- Certificate in Military Psychology
- Industrial and Organizational Psychology Certificate

Department of Social Work

- Child Welfare Certificate
- Conflict Resolution Certificate
- Social Work Certificate
- Substance Abuse Counseling Certificate

Department of Sociology, Anthropology, and Criminology

- Certificate in Crime Mapping and Analysis (joint coordination with Department of Geography)
- Certificate in Sociology of Inequality
- Certificate in Sociology of Family and Life Course
- Certificate in Sociology of Gender and Culture
- Certificate in Sociology of Race/Ethnicity and Immigration

Department of Special Education

- Inclusive Education Certificate
- Special Education Instructional Coaching

Department of Technology

- Technology Management Certificate

College of Business Administration

- Certificate in Business Administration (graduate certificate)
- Certificate in International Business, Culture, and Language

College of Humanities, Arts and Sciences

- Certificate in Leadership Foundations
- Graduate Certificate in Women's and Gender Studies

Interdisciplinary

- Sustainability Certificate

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. 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.

Undergraduate Information and Degree Requirements

A. Residence

1. Not more than 32 semester hours earned in Guided Independent Study (previously specified as correspondence study at UNI), extension, or television courses may be used toward graduation.
2. At least 32 hours of credit, of which 20 hours must be earned in the junior and senior years.
3. At least 32 hours of credit earned in the junior and senior years in courses at this university. This total may include nonresidence credit.

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 her/his 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 Liberal Arts Core 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 thereafter are required to demonstrate a level of competence in a foreign language (classical or modern) equivalent to that achieved after 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 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 study in one language equivalent to the competence achieved after the second semester at the college level;
3. satisfactory performance in an achievement examination measuring proficiency equivalent to that attained after 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 study 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.

E. Advanced Courses

At least 10 hours of work in a major in courses numbered 3000/4000-level (100-199*) and taken at this university.

* See course descriptions for 4-digit numbers (implemented Fall 2011) associated with 100-level courses.

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 s(he) 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 credit.

For example: Student already has 20 specified hours of coursework from the first baccalaureate degree applying to the requirements for the second baccalaureate degree. Student will need to earn an additional 12 hours 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, s(he) will be invited to attend a Student Teaching Roundup during which s(he) 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, s(he) 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. Mathematics majors are required to have a major GPA of 2.50 or higher AND departmental approval; and
 - i. 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 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

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

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
- Masters 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
- Doctor of Industrial Technology

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 **Masters 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 Administration 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 **Masters 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).

The **Doctor of Industrial Technology**, the university's first doctoral program, was authorized by the Board of Regents, State of Iowa to begin with the 1978 fall semester. The degree became the Doctor of Technology from Fall 2012 through Summer 2014, and returned to the Doctor of Industrial Technology in Fall 2014. This doctoral program provides advanced-level study in technology for a wide variety of professional fields and includes the study of the technological systems used in industry and their effect on society and culture.

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.

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 will be made; 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 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.

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** or **Non-Degree Status**. Each category carries specific regulations. Information and the online application for admission are available at www.grad.uni.edu/admission. The completed Application for Admission to Graduate Study should be submitted online or mailed to the Office of Admissions, Cedar Falls, IA 50614-0018. International students should contact the Office of Admissions at www.uni.edu/intladm 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 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.

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 or IELTS score. The requirement to submit a TOEFL or IELTS score may be waived only by the Graduate College through a direct request from a graduate program (not from a prospective

Graduate Information, Admission, Academic Regulations, and Degree Requirements

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. No waiver will be approved without evidence of English proficiency.

A TOEFL score of at least 550 (paper) / 79 (internet) or an IELTS score of at least 6.5 is required for unconditional admission and eligibility to enroll in graduate courses. Some graduate programs may require higher test scores; no program may admit a student unconditionally with a lower score. **To be eligible to be considered for provisional/conditional admission 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 is required.**

A student admitted provisionally for low TOEFL/IELTS must meet the standards for unconditional admission within three semesters of undergraduate enrollment at UNI. 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. (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 7 CIEP courses**. If the provisionally/conditionally admitted student fails to obtain the score, or successfully complete CIEP as necessary for unconditional admission in three semesters, the 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 Degree-Status admission 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 www.uni.edu/intladm.

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 or IELTS—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 send all materials (except transcripts and test scores) to AdmissionsProcessing@uni.edu (admissionsprocessing@uni.edu) or to the postal address below. Transcripts and 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.

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 or IELTS 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 www.uni.edu/intladm/graduate/majors. International students should send all materials (except transcripts and test scores) to AdmissionsProcessing@uni.edu (admissionsprocessing@uni.edu) or to the postal address below. Transcripts and 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.

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 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. 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. 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 changed to undergraduate status and dropped from their graduate-level courses.

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 Administration 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 unconditional admission are 550(paper)/79-80(Internet) on the TOEFL or 6.5 on the IELTS. 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.

Students admitted to a graduate degree program will be admitted in one of two statuses:

1. Unconditional Status

The minimum undergraduate grade point average, or prior graduate grade point average on at least 8 credits, required for unconditional admission is 3.00 (B = 3.00) or its equivalent. Individual graduate programs may require a higher grade point average for admission.

Degree status is accorded 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. Provisional Status

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 unconditional admission, may be admitted as a **Provisional Degree Student**. A Provisional Degree Student is admitted to a graduate program, subject to certain reservations/requirements. The department must notify the student upon admission in writing of its reservations and requirements that must be satisfied before a student may be removed from provisional status.

A Provisional Degree Student who completes eight (8) or more graded hours of a degree program with a 3.00 grade point average, or better, is generally eligible for reclassification to Unconditional Degree Status. The responsibility for such reclassification rests with the academic department concerned. Reclassification review 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 Dean of the Graduate College or designee

about the reclassification decision. No student may receive a UNI graduate degree while on provisional status. The department admitting a student to its graduate degree program will draft a letter of acceptance to be sent to the student; this letter will describe the requirements necessary for completion of the degree program in question.

Status Acceptance and Waivers:

Any waivers of degree requirements as established by a department must be furnished to the applicant by the department in the letter of acceptance (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). If the degree(s) cannot be verified through the National Student Clearinghouse, 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) are required from applicants whose first language is not English. The minimum required scores are 550(paper)/79-80(Internet) on the TOEFL or 6.5 on the IELTS. 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.

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, her/his 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 undergraduate student request form (available on the Office of the Registrar forms page or through department offices) by the student's advisor, the instructor of the course(s), and the head(s) of the department(s) offering the course(s). Additional approval by the Graduate College on the student request form is required if the registration is occurring during advanced registration the semester before the student attains senior standing. 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. 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. 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. 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 through MyUNiverse. Request type Q should be used. 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). 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 for further details.

Enrollment and Registration Procedures

Refer to this University Catalog 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 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 for further details.

Schedule of Fees

Refer to this University Catalog for further details.

Student Life

Refer to this University Catalog 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 salary 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 professors in certain appropriate academic functions, including teaching and research, or working in a non-academic departmental office. Graduate students receiving an assistantship cannot be otherwise employed on campus, except as an hourly student employee outside of the department or area of the assistantship.

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 career programs. Departments who wish to allow a student in a dual career program must notify the Graduate College and seek its approval prior to the start of the assistantship.
- 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 provisional admission 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 credit hours. The student must maintain a minimum Plan 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 on-campus graduate-level credit hours for each semester during the award. The expectation is that these will eventually apply to the degree. Workshops, off-campus courses, audit courses, CIEP, guided independent study (correspondence) and courses through Continuing Education and Special Programs cannot be used as part of the minimum load.

Once students have begun studies at the University of Northern Iowa, GPA eligibility will be based upon courses applying to the degree.

In absence of an advisement report showing degree requirements, all graduate courses will be used as a basis of computation for

GPA eligibility. See the Graduate Assistantship Handbook at www.grad.uni.edu/assistantships for more information.

The assistantship application form may be obtained on the Graduate College website at www.grad.uni.edu/assistantships. **Applications should be emailed by February 1 to the department of interest.**

Recommendations for awarding assistantships are made by the department head or designee who forwards those recommendations to the Graduate College. All graduate assistantships are 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 department head. 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 career program must notify the Graduate College and seek its approval prior to the start of the scholarship.
- 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 provisional admission 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 credit hours. The student must maintain a minimum Plan 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 on-campus graduate-level credit hours for each semester during the award. The expectation is that these will eventually apply to the degree. Workshops, off-campus courses, audit courses, CIEP, guided independent study (correspondence) and courses through Continuing Education and Special Programs cannot be used as part of the minimum load.

Once students have begun studies at the University of Northern Iowa, GPA eligibility will be based upon courses applying to the degree. In absence of an advisement report showing degree requirements, 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 at: www.grad.uni.edu/assistantships. Students should email their application by February 1 to their academic department.

Some university departments offer scholarships for graduate study. Students should obtain information about these awards from the departments 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 (Grad Stdts)" 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 Dean of the Graduate College (or designee).

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 registered for 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. Students reaching this stage will be automatically registered in the course xxxx 629C Continuous Registration or xxxx 7300 Postcomprehensive Registration (xxxx refers to the student's major department), and assessed a \$50 fee or \$70 for Postcomprehensive Registration. 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 is needed. 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 cumulative grade index of 3.00 (B average) must be earned in all courses required for the degree or applying to the degree. The Plan GPA on the advisement report is used to monitor this. 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. **The original grade for any repeated course will be included in the computation for the Plan GPA, as well as in the overall cumulative 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, Specialist, Doctor of Industrial Technology degree is seven years from the earliest course applied to the degree. The allotted time to the Doctor of Education degree is ten years. Courses taken more than seven years (ten years for Ed.D.) prior to the granting of the degree cannot be used to meet**

degree requirements. Any exception to this policy (waiver of recency) is at the discretion of the Associate Dean of the Graduate College (or designee), and a waiver of recency must be obtained *prior* to resuming work toward the degree. Waivers of recency will be subject to the following restrictions:

If the student's original time limit expired less than one year ago, the student must explain why the degree could not be completed in the allotted time and the student must present a plan, subject to approval by the program, for degree completion within one to two academic terms (semesters, summer sessions).

If the student's original time limit expired over one year ago but under three years ago, the student must explain why the degree could not be completed in the allotted time, and the student and the program must present evidence that the student is still current in the discipline. The student must present a plan, subject to approval by the program, for the student to bring specific coursework into the appropriate recency period and to complete all degree requirements within two to four terms (semesters, summer sessions). If over 50% of the student's credit hours are within recency, the student's plan will include repeating, or otherwise bringing into recency, at least 33% of the out-of-recency credits.

If over 50% of the student's credit hours are out of recency, the student's plan will include repeating, or otherwise bringing into recency, at least 67% of the out-of-recency credits.

If the student's original time limit expired over three years ago but under five years ago, the student must explain why the degree could not be completed in the allotted time, and the student and the program must present evidence that the student is still current in the discipline. The student must present a plan, subject to approval by the program, to bring specific coursework into recency and complete all degree requirements within two-three years. If over 50% of the credit hours are within recency, the student's plan will include repeating, or otherwise bringing into recency, at least 50% of the out-of-recency credits. If over 50% of the student's credit hours are out of recency, the student's plan will include repeating, or otherwise bringing into recency, at least 75% of the out-of-recency credits.

In the above three cases, if an extension of time to complete the degree (waiver of recency) is granted, it will be the only extension the student receives. No further extensions will be granted.

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.

Extensions of time to complete the degree for military service or family medical leave:

A current graduate student who enters active military service may request to have the recency period extended by a year.

A current graduate student who has a circumstance that would be covered by the Family Medical Leave Act (if the student were an employee) may request to have the recency period extended by a semester. The circumstances covered by the FMLA are listed at www.vpaf.uni.edu/hrs/benefits/fmla/index.shtml.

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 faculty and must be taken only for that 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, correspondence credit, and credit applied to another graduate degree cannot exceed one-third of the minimum degree hours, even if some are UNI courses.

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 299/6299, 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 200/6000-level course requirement (or 200/6000- 300/7000-level requirement for doctoral degrees). The minimum credit hour requirement at 200/6000 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. However, **PRIOR TO departmental evaluation of the course for use on the UNI graduate degree program, 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 (ten-year for the Ed.D.).

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 Student Request of Type P 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.

6. Correspondence credit (Guided Independent Study)

Correspondence courses (specified as Guided Independent Study or GIS at UNI) 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 correspondence/UNI Guided Independent Study credit be applied to a graduate degree program. The online student request must be submitted and approved **prior to registering** for the course.

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.

8. Camp Adventure

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 LYHS 6295 (430:291) Internship 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, correspondence/GIS, 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.g., 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 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 appropriate grade assigned by the instructor.

Waiver of 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 Filing Graduate 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 Plan 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 (Plan GPA of 3.00), the student is reviewed for suspension from graduate degree programs.

Students on academic probation will not be permitted to graduate even if all the coursework has been completed. A Plan 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 an application 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 Application for Readmission to Graduate Program and receive approval from the graduate program/department and the Graduate College for reinstatement and removal from suspension. The Application for Readmission to Graduate Program is not available online. It may only be obtained from the Graduate College after consultation with the Associate Dean.

A student reinstated after suspension who fails to attain a Plan GPA, Total, of 3.00 with the first 8 credits after reinstatement will be terminated from the graduate program.

In determining a graduate student's GPA, all graded course work on the advisement report will be used as a basis of computation.

If the student does not yet have an advisement report showing degree requirements (this can occur if the student's admission file is incomplete), **all graduate courses will be used as a basis of computation. If a graduate student repeats a course, both grades will be used in computing the GPA.**

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 reapply to UNI as a non-degree graduate student, or apply to a graduate degree program, 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).

Programmatic Probation and Dismissal

Departmental Nonacademic 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.

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 ten class 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 ten school 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

Course List

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:299/6299 Research and xxx:29R/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:299/6299 Research and xxx:29R/629R Directed Research. The remainder of the 30 semester hours will be xxx:299/6299 thesis research credit. See departmental listings for program descriptions.
2. 200/6000-level credits: A minimum of 9 semester hours of 200/6000-level credit, other than xxx:299/6299 Research and xxx:29R/629R Directed Research, taken at the University of Northern Iowa is required. A minimum of 6 semester hours of xxx:299/6299 and a maximum of 12 semester hours of xxx:29R/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:299/6299, a thesis major can register for 1-12 hours of xxx:29R/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:29R/629R cannot be applied to the required minimum hours for the degree or the required minimum hours of 200/6000-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. Core requirements.

Master of Arts in Education

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
or SOCFOUND 4234/5234	Philosophy of Education	
MEASRES 6205 (250:205)	Educational Research	3

Other Degrees: See degree requirements.

8. 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 can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial 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.**

Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on a MyUNiverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application.

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

Course List

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:299/6299 Research and xxx:29R/629R Directed Research. See departmental listings for program descriptions.
2. 200/6000-level credits: A minimum of 12 semester hours of 200/6000-level credit, taken at the University of Northern Iowa is required. No more than 3 semester hours of xxx:299/6299 can be applied to the requirements for the degree. Following enrollment in 3 semester hours of xxx:299/6299, a non-thesis major can register for 1-12 hours of xxx:29R/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:29R/629R cannot be applied to the required minimum hours for the degree or the required minimum hours of 200/6000-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.
6. Meet the residence credit requirement.
7. Core Requirements:

Master of Arts in Education

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
or SOCFOUND 4234/5234	Philosophy of Education	
MEASRES 6205 (250:205)	Educational Research	3

Other Degrees: See Degree Requirements.

8. 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. Paper applications are no

longer accepted. 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 can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial 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.** Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on a MyUNiverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application.

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.

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. There is no prerequisite, although it is strongly recommended that MEASRES 6205 (250:205) Educational Research or a departmental course in research be completed before registering for Research.

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 www.grad.uni.edu/thesis-dissertation. 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

Master's degree students on the thesis option must select a thesis committee in consultation with their academic advisors (usually within the first 9-12 credit hours of course work). They must file a Committee Approval Form (available at www.grad.uni.edu/thesis-dissertation) for Graduate College approval. The committee consists of a faculty chairperson and two additional graduate faculty members. One of the three may be from outside the major department, however a minimum

of three must be Regular Graduate Faculty, including the chairperson. The student can add additional persons. The committee assists students to further define course work, supervises thesis research and writing, and eventually accepts or rejects the thesis.

c. 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:299/6299), **not more than 6 hours in any semester**. The instructor may assign an *RC* for *Research Continued*, if s(he) feels the work has not reached the stage where it can be evaluated. Registration for the last segment of research credit (for work on the thesis) should be postponed until the thesis is near completion.

The Registrar may authorize the extension of time for the completion of a *Research Continued (RC)* in Research (xxx:299/6299) up to one additional calendar year with consent of instructor. If at the end of that time the work has not been completed, the *RC* will be changed to an *F (Failure)*.

d. Thesis preview

During the semester in which the student intends to graduate, the student must make an appointment with the Graduate College for a thesis preview to have the style and format of the thesis reviewed. All problems may not be detected during the preview; however, the major difficulties will be discussed. Often a brief consultation will uncover format problems that are easily remedied at this stage. Academic departments must identify the students who should be scheduled for preview each semester. The student must have an up-to-date Academic Requirements report and the Thesis Committee approved by the Graduate Dean before a preview meeting will be scheduled. The preview must be **scheduled and completed no later than eight weeks** before the last day of the semester students intend to graduate. See www.grad.uni.edu/important-dates for the preview dates. No thesis will be accepted by the Graduate College for final approval without the completion of this preview.

e. Oral Defense

All students must have a formal oral defense of their thesis before a committee composed of at least three UNI graduate faculty. Completion of the thesis occurs when the student's committee and the Dean of the Graduate College have approved the thesis. The thesis must be presented for approval to the **thesis committee** early enough in the semester to meet the Graduate College deadline for final submission. See www.grad.uni.edu/important-dates for the submission deadline.

f. Filing of thesis

Students must present one print copy of the thesis in final form and also submit it electronically to the Graduate College no later than five weeks before graduation. See

www.grad.uni.edu/important-dates for the submission deadline for each term. The submitted print copy must be accompanied by a minimum of three (3) copies of the thesis approval page, each with original signatures of the committee members.

Failure to meet this deadline will result in a delay in graduation. The requirements for the preparation and filing of the thesis are set forth in the *Thesis and Dissertation Manual*. The manual may be obtained from the Graduate College website at www.grad.uni.edu/thesis-dissertation.

Final copies submitted to the Graduate College must be on white, acid free, 24-pound, 25 percent or 100 percent cotton paper. Students may purchase the approved paper at Copyworks or an office supply store. Final copies must be clean and of uniform darkness, with a sharp imprint. Students will also indicate to the Graduate College the name and edition of the style manual used in preparing the thesis. Consult the *Thesis and Dissertation Manual* for the list of approved style manuals.

A fee is required for all students submitting a thesis. This covers the Library's costs for binding the print copy and processing the electronic copy of the thesis. The fee will be charged to the student's U-Bill after the final copy of the thesis is submitted to the Graduate College. The printed copy of the thesis will be bound, and both the bound copy and the electronic copy will be retained by UNI's Rod Library.

In addition to the copy required by the Graduate College, the department awarding the degree may require copies. Students should check with their department, as the number varies.

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 200/6000 and above at UNI †	15
Maximum usable hours in transfer, correspondence** and credit applied to other degrees combined ***	10
Maximum usable hours of correspondence** 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:299/6299), depending on the master's program. Total hours depends on major chosen.

** Correspondence courses at UNI are specified as Guided Independent Study.

*** Up to one-third of the minimum hours required for the particular degree.

† Includes no more than 6 hours research credit (xxx:299/6299) 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 200/6000 and above at UNI †	12
Maximum usable hours in transfer, correspondence** and credit applied to other degrees combined ***	10
Maximum usable hours of correspondence** 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.

** Correspondence courses at UNI are specified as Guided Independent Study.

*** Up to one-third of the minimum hours required for the particular degree.

† In some departments they may include no more than 3 hours of Research (xxx:299/6299).

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 8 semester hours of work may be common to two Master's degrees, whether concurrent or sequential.** All university graduation requirements including completion of 200/6000-level course work, separate master's project/thesis, comprehensives, and all other specific requirements shall be met for the second degree in addition to the first degree.

Interdisciplinary Master's Degree

A student may pursue a master's degree with two majors or two emphasis areas by meeting all the requirements for the second major; 8 semester hours of work from the first major may be used for the second. The requirements for work at the University of Northern Iowa, 200/6000-level work, and all other specific requirements shall be met for the second major, in addition to work completed for the first major. Common research project/thesis and comprehensives are permissible. For students completing one thesis for two majors, course work common to both majors would include 6 hours of xxx:299/6299 Research and 2 additional hours. This would constitute the 8 semester hours of course work that may be common to both majors.

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 www.grad.uni.edu/admission.

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 www.grad.uni.edu/admission.

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.

A number of curricula lead to the degree of Master of Arts. The following majors are offered:

- Art Education (Department of Art)
- Communication Studies (Department of Communication Studies)
- Counseling (School of Applied Human Sciences)
- English (Department of Languages and Literatures)
- Geography (Department of Geography)
- Health Education (Department of Health, Recreation and Community Services)
- History (Department of History)

- Instructional Technology (Department of Curriculum and Instruction)
- Leisure Youth and Human Services (Department of Health, Recreation and Community Services)
- Mathematics (Department of Mathematics)
- Mathematics for the Middle Grades (4-8) (Department of Mathematics)
- Music (School of Music)
- Philanthropy and Nonprofit Development (Interdisciplinary)
- Physical Education (Department of Kinesiology)
- Postsecondary Education: Student Affairs (Department of Educational Leadership and Postsecondary Education)
- Psychology (Department of Psychology)
- School Library Studies (Department of Curriculum and Instruction)
- Science Education (Science Education)
- Social Science (Social Science)
- Spanish (currently suspended) (Department of Languages and Literatures)
- Speech-Language Pathology (Department of Communication Sciences and Disorders)
- Teacher Leadership for International Educators (Department of Educational Leadership and Postsecondary Education)
- 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)

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 www.grad.uni.edu/admission.

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.

Graduate Information, Admission, Academic Regulations, and Degree 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 Leadership and Postsecondary Education

- Principalship

Department of Educational Psychology and Foundations

- Educational Psychology: Context and Techniques of Assessment
- Educational Psychology: Professional Development for Teachers

Department of Special Education

- Special Education

Masters of Athletic Training Degree

Students interested in pursuing this major must apply and be formally admitted to this program. Students should apply for the Masters 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 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 www.grad.uni.edu/admission. Applications will be due by February 1 of each year. Decisions and admittance into the program will be announced by mid-March.

The Masters 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 Masters 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 Health, Recreation and Community Services 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 Administration for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

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 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 www.grad.uni.edu/admission.

*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](http://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 www.grad.uni.edu/admission.

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 www.grad.uni.edu/admission.

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 Technology)

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

Graduate Information, Admission, Academic Regulations, and Degree Requirements

of Social Work for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

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

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 www.grad.uni.edu/admission.

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:

- Biotechnology (Department of Biology)
- Ecosystem Management (Department of Biology)
- 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 and Foundations for any other

application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

The following major is offered in the Department of Educational Psychology and Foundations:

- School Psychology

Refer to Department of Educational Psychology and Foundations 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. **200/6000-level credit**

A student must earn at least 15 semester hours of credit in courses numbered 200/6000 or above.

- b. **Research credit**

For the thesis option, not more than 6 hours of research credit (xxx:299/6299) 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:299/6299) can be included in the 36 (or more) hours of post-master's credit.

- 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. **Correspondence credit(specified as Guided Independent Study at UNI)**

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.

6. Thesis

Students who did not complete a thesis for the master's degree may complete one for the specialist's degree. If the thesis plan is chosen, the thesis is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis-dissertation. This manual should be consulted prior to writing the thesis. The thesis must have the approval of the thesis committee and the Dean of the Graduate College.

a. Thesis Committee

The Dean of the Graduate College approves the appointment of three members of the Graduate Faculty as an advisory committee to guide the student in selecting and completing an appropriate thesis project. Students must file a Committee Approval Form (www.grad.uni.edu/thesis-dissertation) for Graduate College approval.

b. Credit hours

The work on a thesis will involve 6 hours of research credit (xxx:299/6299). 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. Registration for the last segment of research credit (for work on the thesis) should not be made until the thesis is near completion. 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. If at the end of that time the work has not been completed, the grade of *RC* will be changed to an *F (Failure)*.

c. Thesis preview

During the semester in which the student intends to graduate, the student must make an appointment with the Graduate College for a thesis preview to have the style and format of the thesis reviewed. All problems may not be detected during the preview; however, the major difficulties will be discussed. Often a brief consultation will uncover format problems that are easily remedied at this stage. Academic departments must identify the students who should be scheduled for preview each semester. The student must have an up-to-date advisement report and the Thesis Committee approved by the Graduate Dean before a preview meeting will be scheduled.

The preview must be **scheduled and completed no later than eight weeks** before the last day of the semester students intend to graduate. See www.grad.uni.edu/important-dates for the preview dates. No thesis will be accepted by the Graduate College for final approval without the completion of this preview.

d. Oral Defense

Students must have a formal defense of their thesis, before a committee composed of at least three UNI graduate faculty, as part of their comprehensive oral examination (see section 5, Examinations above). Completion of the thesis occurs when the thesis has been approved by the thesis committee and the Dean of the Graduate College. The thesis must be presented for approval to the thesis committee early enough in the semester to meet the Graduate College deadline for final submission. See www.grad.uni.edu/important-dates for the submission deadline.

e. Filing of Thesis

Students must present one print copy of the thesis in final form and also submit it electronically to the Graduate College no later than five weeks before graduation. See www.grad.uni.edu/important-dates for the deadline for each term. The submitted print copy must be accompanied by a minimum of three copies of the thesis approval page, each with original signatures of the committee members. Failure to meet this deadline will result in a delay in graduation. The requirements for the preparation and filing of the thesis are set forth in the *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis-dissertation.

Final copies submitted to the Graduate College must be on white, acid free, 24-pound, 25 percent or 100 percent cotton paper. Students may purchase the approved paper at Copyworks or an office supply store. Final copies must be clean and of uniform darkness, with a sharp imprint. Students will also indicate to the Graduate College the name and edition of the style manual used in preparing the thesis. Consult the *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis-dissertation for the list of approved style manuals.

A fee of is required for all students submitting a thesis. This covers the Library's costs for binding the print copy and processing the electronic copy of the thesis. The fee will be charged to the student's U-Bill after the final copy of the thesis is submitted to the Graduate College. The printed copy of the thesis will be bound, and both the bound copy and the electronic copy will be retained by UNI's Rod Library.

In addition to the copy required by the Graduate College, the department may require copies. Students should check with the department regarding the number of additional copies required.

7. 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 Plan grade point average of**

3.00 or better will be required prior to recommendation for endorsement(s).

8. 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.

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 can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial 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. Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on a MyUNiverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application.

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

(See website www.uni.edu/catalog/collegeofeducation - for PDF version see listing for "College of Education" under the "Interdisciplinary" section of this university catalog.)

Students interested in the 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 or contact the appropriate Intensive Study Area (ISA) for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. The Graduate Record Examination (GRE) is required for admission to the program.

This program is intended to provide practicing educators, in formal 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 60 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)	27
Advanced Professional Study (in one of three areas of intensive study)	27
Dissertation	6
Total Hours	60

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 three areas of intensive study provide for a specialized focus on practice. The three intensive study areas (ISAs) are:

- Allied Health, Recreation, and Community Services
- Curriculum and Instruction
- Educational Leadership

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 three 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 individual well-being and quality of life. Each of these areas contributes unique and different professional perspectives, yet, at the same time, focuses on the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, athletic administration, administrators of community nonprofit organizations, youth serving agencies, public parks and recreation agencies, foundations, and government agencies. 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 Chair of Leisure, Youth and Human Services, Health Promotion and Education, or Athletic Training in the Department of Health, Recreation and Community Services Human 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, 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 Leadership and Postsecondary Education. (For more information, contact the Head, Department of Educational Leadership and Postsecondary Education, or please see the catalog at www.uni.edu/catalog. uni.edu/collegeofeducation/educationalleadershipandpostsecondaryeducation or visit the Department of Educational Leadership and Postsecondary Education website at www.uni.edu/coe/departments/educational-leadership-postsecondary-education.)

Admission to Doctoral Study

Initial Admission

Formal application to doctoral study should be made to the appropriate intensive study area office, where descriptive materials and application

packets may be obtained. Application for graduate admission can be found at www.grad.uni.edu/admission.

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 transcripts of all previous academic work. Applicants with a grade point average of less than 3.50 for **all** prior graduate work will not usually be considered for unconditional admission.
3. The Graduate Record Examination (GRE) is required for admission. Students applying for admission to the Ed.D. degree program must have their verbal, analytical writing, and quantitative scores on the Graduate Record Examination forwarded directly to the Office of Admissions in order to be considered for degree status admission.
4. The applicant must have a minimum of three years of professional educational 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 educational employer/supervisor.
- 6.
7. 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 score for unconditional admission 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. See English Proficiency in **Admission to Graduate Study** in this university catalog for further information.
8. Some intensive study areas require a written statement from each applicant as part of the total application packet. The written statement should articulate the applicant's professional background, reasons for seeking the doctoral degree and a statement of career goals. A sample of professional writing that will be formally assessed may also be required. The professional writing sample may consist of a master's research paper or thesis, published article, a paper prepared for presentation at a professional conference, or similar document. Contact the appropriate Intensive Study Area for complete application requirements.
9. Provisional degree status 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. Provisional degree status will not be considered for applicants whose admission files are incomplete. An individual admitted to provisional degree status must be formally reconsidered for unconditional admission, 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 27-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 www.grad.uni.edu/admission/application-process 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 45 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 60 semester hours of credit beyond the master's degree is required. Students must complete the 27-credit Professional Common Core, the 27-credit Advanced Professional Study in one of three intensive study areas, and 6 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 (100g/5000-level, 200/6000-level, or 300/7000-level). A minimum of 45 hours of course work at the 200/6000-level or 300/7000-level must be completed. No more than 15 hours of credit at the 100g/5000-level may apply toward the minimum hours.

b. Research credit

6 hours of INTDEPED 7399 (190:399) is required for the degree. No more than 6 hours of research INTDEPED 7399 (190:399) 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 xxx:299/6299 cannot be applied to a doctoral degree. Directed Research xxx:29R/629R may be taken after all hours of INTDEPED 7399 (190:399) have been registered for, but for no more than 12 hours total and for no more than 6 hours in a given term. xxx:29R/629R cannot be applied to the required minimum hours for the degree or the required minimum hours of 200/6000-level or 300/7000-level for the degree.

c. 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.

d. Correspondence Credit (specified as Guided Independent Study at UNI)

See the Common Regulations and Requirements for All Graduate Programs.

e. Workshop credit

See the Common Regulations and Requirements for All Graduate Programs.

3. Residence requirement

A student must complete 45 hours of credit, including the Professional Common Core, with members of the UNI Graduate Faculty.

4. Assessments

The following examinations are required of all students enrolled in the Doctor of Education program:

a. Doctoral comprehensive requirement

The candidate requests permission to complete the comprehensive requirement (i.e., comprehensive examination or alternative comprehensive) through an Intensive Study Area office. Normally, such a request is made during the term

prior to the administration of the comprehensive requirement. The doctoral comprehensive requirement is governed by the following conditions:

- i The candidate will have completed a minimum of 80 percent of program of study for a comprehensive examination or 40 percent of a program of study for the alternative comprehensive.
- ii The candidate will have satisfied the research proficiency requirement.
- iii The requirement is prepared within the guidelines established by the ISA.
- iv A candidate may be permitted to take the doctoral comprehensive examination a second time.

Note: Upon successful completion of the Doctoral Comprehensive Examination, the degree candidate achieves the status of active candidate.

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 INTDEPED 7300, the post-comprehensive registration number. Students who have completed their coursework, but have not yet passed the comprehensive examination, will be automatically registered and assessed a fee for INTDEPED:629C Continuous Registration until they have met the enrollment criteria for INTDEPED 7300.

b. Doctoral dissertation examination

Upon completion of her/his 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.

5. Dissertation

A dissertation is required of all candidates for the Doctor of Education degree. Students are encouraged to select the topic of their dissertation early in the program. The dissertation is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis-dissertation. This manual should be consulted prior to writing the dissertation.

a. Dissertation Committee

The dissertation committee will consist of a minimum of four members of the UNI graduate faculty. One of the four members must be from outside the student's department(s). Departments are identified on the student's Dissertation Committee Appointment Form.

An expansion of the committee may occur if a non-faculty member or an external faculty member from a university other

than UNI agrees to serve due to expertise or as a representative of an area of knowledge. Approval shall comprise a written petition submitted in the normal procedure. Non-faculty personnel will participate in all committee responsibilities except for signature decisions.

b. Credit hours

The dissertation will involve 6 hours of credit. The instructor may assign an RC for Research Continued, if s(he) feels the work has not reached the stage where it can be evaluated. Registration for the last segment of research credit should be postponed until the dissertation is near completion. The Registrar may authorize the extension of time for the completion of a Research Continued (RC) in Research INTDEPED 7399 (190:399) up to one additional calendar year with consent of instructor. If at the end of that time the work has not yet been completed, the RC will be changed to an F (Failure).

c. Doctoral dissertation proposal

The student, in conjunction with her/his 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 this committee. An announcement of proposed defense should be disseminated by the COE Dean's Office no less than two weeks prior to defense date.

d. Dissertation Preview

During the semester in which the student intends to graduate, the student must make an appointment with the Graduate College for a dissertation preview to have the style and format of the dissertation reviewed. All problems may not be detected during the preview; however, the major difficulties will be discussed. Often a brief consultation will uncover format problems that are easily remedied at this stage. Intensive Study Area Coordinators must identify the students who should be scheduled for preview each semester. The student must have an up-to-date advisement report and the Dissertation Committee approved by the Graduate Dean before a preview meeting will be scheduled. The preview must be **scheduled and completed no later than eight weeks** before the last day of the semester students intend to graduate. See www.grad.uni.edu/important-dates for preview dates. No dissertation will be accepted by the Graduate College for final approval without the completion of this preview.

e. Oral Defense

See 4.2 above (Examinations). Completion of the dissertation occurs when the student's committee and the Dean of the Graduate College have approved the dissertation. The dissertation must be in final copy form before doctoral committee members may affix their signatures for approval. The dissertation must be presented for approval to the dissertation committee three weeks prior to the Graduate College deadline for final submission. See www.grad.uni.edu/important-dates for the final submission deadline. An announcement of the defense should be disseminated by the

COE Dean's Office no less than 2 weeks prior to the defense date.

f. Filing of Dissertation

Students must present one print copy of the dissertation in final form and also submit electronically to the Graduate College not later than five weeks before graduation. The submitted print copy must be accompanied by a minimum of three copies of the thesis approval page, each with original signatures of the committee members. Failure to meet this deadline will result in a delay in graduation. See www.grad.uni.edu/important-dates for the final submission deadline each term. A complete submission includes:

- i Electronic dissertation, produced in one Microsoft Word document; emailed as an attachment from the student's UNI email account to the Thesis Reviewer, janet.witt@uni.edu.
- ii One printed copy of the dissertation and abstract on approved thesis paper. After receiving final approval, this copy will be bound and maintained by Rod Library at the University of Northern Iowa.
- iii *Minimum* of three copies of dissertation abstract title page on approved thesis paper, each one originally signed by the chair, and co-chair if applicable, after the student's successful defense. The Graduate Dean will sign these pages after the dissertation receives final approval of the Graduate College. The Graduate College keeps one copy to be bound into the dissertation, sends one to the student's ISA office, and returns the extra one to the student for personal use. If the student wants more than one personal copy, extras may be submitted, and all extras will be returned to the student after final approval.
- iv *Minimum* of three copies of the dissertation title page on approved thesis paper with original signatures of all committee members. The student should prepare and obtain signatures on the same number of dissertation title pages and abstract title pages. The Graduate College keeps one copy to be bound into the dissertation, sends one to the student's ISA office, and returns all extras to the student for personal use.
- v Three blank sheets of approved thesis paper (required for binding)
- vi Graduate College dissertation submission form (available at www.grad.uni.edu/thesis-dissertation/thesis-forms). This is a "fillable" form; it should be opened in Adobe Acrobat and filled out on the computer, and then printed on plain paper.
- vii Dissertation approval form. Please use the most recent version of the form, available at www.grad.uni.edu/thesis-dissertation/thesis-forms. This form should also be opened in Adobe Acrobat and filled out on the computer, and printed on plain white paper.
NOTE: Handwritten forms will not be accepted. Following the successful defense, obtain all required signatures except the Graduate Dean's before submitting to

the Graduate college (the Graduate College Dean will sign when final approval is given by Graduate College).

- viii Actual dissertation draft read at time of preview (not required if preview was done by email).
- ix Self-addressed label (provided at time of preview) for return of extra approval pages to student. If preview was completed by email, be sure to specify mailing address for the return of signed approval pages in lieu of a mailing label.
- x Doctoral students graduating from the College of Education at the University of Northern Iowa must complete a Survey of Earned Doctorates form. The form should be submitted online at <https://sed.norc.org/doctorate/>.
- xi After the dissertation has received final approval by the Graduate College, a link to the Agreement and Permission to Preserve Thesis/Dissertation form will be emailed to the student at their UNI email address. This Agreement form must be submitted electronically. This completes the process for the student, and the Graduate College will submit the thesis electronically to the Library and the printed copy will be bound. The student's ISA and the Registrar's Office will be notified of final approval after this form is submitted.
- xii For further dissertation information, see the Graduate College's *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis-dissertation.

g. Dissertation Fees

A fee is required for all students submitting a dissertation. This covers the Library's costs for binding the print copy and processing the electronic copy of the thesis/dissertation.

The fee will be charged to the student's U-Bill after the final copy of the thesis/dissertation is submitted to the Graduate College. The printed copy of the dissertation will be bound, and both the bound copy and the electronic copy will be retained by UNI's Rod Library. Check with your ISA's graduate secretary regarding the requirements and costs for printing and binding ISA copies.

6. 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 can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial 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. Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on a MyUNiverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application. includes:

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:

- Spring graduate degree candidates must submit their application by April 1.
- Fall graduate degree candidates must submit their application by November 10.
- 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 - Doctoral Degree Students:** Students who complete their degree requirements in summer may ***only*** participate in spring commencement if they 1) applied for summer graduation by April 1, and; 2) have completed all degree requirements, including defense and final submission of the dissertation to the Graduate College, one week prior to spring commencement. All other summer doctoral candidates may only participate in fall commencement even if they receive a summer degree.

7. 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 Program Requirements

Doctor of Education Professional Common Core for all Intensive Study Areas

Substantive Component: 18 credit hours (3 credits per course) 18

INTDEPED 7303 (190:303) Foundations of Inquiry

INTDEPED 7318	Evidence-Based Practices, Assessment, Accountability, and Program Evaluation	
INTDEPED 7320	Leadership in Formal and Informal Learning Environments (or EDLEAD 6245 if taken for an Advanced Studies Certificate in Educational Leadership)	
or EDLEAD 7311 (270:311)	Educational Leadership and Systems Change	
INTDEPED 7322	Organizational and Community Transformation (OR EDLEAD 7325 or EDLEAD 6247 if taken for an Advanced Studies Certificate in Educational Leadership)	
INTDEPED 7324	Critical Analysis of Social and Cultural Contexts in Education	
INTDEPED 7326	Integrating Theory with Practice	
Research Methods		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 (250:270)	Educational Program Evaluation	
MEASRES 7310 (250:310)	Advanced Qualitative Methods in Educational Research	
MEASRES 7330	Advanced Quantitative Research in Education	
Total hours in Professional Common Core		27

Allied Health, Recreation and Community Services Intensive Study Area Requirements

I. Professional Common Core 27

II. Advanced Professional Studies

Required Courses in Allied Health, Recreation and Community Services Core:

KAHHS 7410	Critical Theories and Practices I	3
KAHHS 7412	Critical Theories and Practices II	3
KAHHS 7329	Research and Evaluation Seminar	1-6

Academic Specialization: Select one primary area for 12 credits, and 3 credits of electives of your choice. 15

- A. Health Promotion and Education
- B. Leisure, Youth and Human Services
- C. Rehabilitation Studies

III. Dissertation Research 6

Graduate Information, Admission, Academic Regulations, and Degree Requirements

INTDEPED 7399 (190:399)	Dissertation Research
Total Hours	55-60

Curriculum & Instruction Intensive Study Area Requirements

I. Professional Common Core 27

II. Advanced Professional Studies (27 hours)

Required Courses in Curriculum and Instruction Intensive Study Area:

Curriculum and Instruction:	6
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ELEMECML 7352 (210:352) Curriculum Theory and Development

ELEMECML 7354 (210:354) Curriculum Implementation and Evaluation

Curriculum and Instruction Seminar:	3-12
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ELEMECML 7389 (210:389) Seminar in Curriculum and Instruction

Curriculum and Instruction Practicum:	1-4
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ELEMECML 7397 (210:397) Practicum in Curriculum and Instruction

Instructional Technology:	3
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INSTTECH 7340 (240:340) Designing Instructional Systems

or INSTTECH 6240 Understanding Instructional Design (240:240)

Electives:	2-14
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Electives must be added to reach a total 27 hours along with above courses for the Advanced Studies requirement.

III. Dissertation Research 6

INTDEPED 7399 (190:399) Dissertation Research

Total Hours 60

Educational Leadership Intensive Study Area Requirements

This intensive study area is available in two tracks: The Superintendency/Principalship track and the Special Education Director track.

Superintendency/Principalship Track

I. Professional Common Core 27

II. Advanced Professional Studies

Required Courses in Educational Leadership:

Seminar (select one):	3
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POSTSEC 7389 (170:389) Seminar in Postsecondary Education

or EDLEAD 7389 Seminar in Educational Leadership (270:389)

or EDLEAD 6289 Seminar in Educational Leadership (270:289)

Practicum or Internship (select one or more):	3
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POSTSEC 7397 (170:397) Practicum: Postsecondary Education

or EDLEAD 7397 Practicum in Educational Leadership (270:397)

or EDLEAD 7391 Internship in Educational Leadership (270:391)

or EDLEAD 6291 Internship (270:291)

Electives chosen from the following:	21
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EDLEAD 6206 (270:206) Orientation to ISSL and Educational Leadership

EDLEAD 6232 (270:232) School Governance, Law and Intersystems Relations

EDLEAD 6249 (270:249) Leading Learning, Teaching, and Curriculum

EDLEAD 6282 (270:282) Leading School Growth and Improvement

EDLEAD 6284 (270:284) Evaluator Approval for Improved Student Learning

EDLEAD 6285 (270:285) Readings in Educational Leadership *

EDLEAD 6289 (270:289) Seminar in Educational Leadership *

EDLEAD 6291 (270:291) Internship

EDLEAD 6292 (270:292) Capstone ISSL

EDLEAD 7310 (270:310) Human Resource Administration

EDLEAD 7315 (270:315) Leading Teaching, Learning and Assessment

EDLEAD 7318 (270:318) Evaluation of Administrators

EDLEAD 7319 (270:319) Power, Politics, and Ethics in School District Leadership

EDLEAD 7340 (270:340) Funding the Educational Program for Improved Student Achievement

EDLEAD 7346 (270:346) School Business Management

EDLEAD 7385 (270:385) Readings in Educational Leadership *

EDLEAD 7389 (270:389) Seminar in Educational Leadership *

EDLEAD 7391 (270:391) Internship in Educational Leadership

EDLEAD 7397 (270:397) Practicum in Educational Leadership

Other courses as approved by ISA.

*1-3 hours - may be repeated with Intensive Study Area approval.

III. Dissertation 6

INTDEPED 7399 (190:399) Dissertation Research

Total Hours	60
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Special Education Director Track

I. Professional Common Core 27

II. Advanced Professional Studies for Special Education Director Track: 27

Required:

EDLEAD 6232 (270:232) School Governance, Law and Intersystems Relations

EDLEAD 6282 (270:282) Leading School Growth and Improvement

EDLEAD 6284 (270:284)	Evaluator Approval for Improved Student Learning
SPED 6260 (220:260)	Special Education Law and Policy
SPED 6278 (220:278)	Administration of Special Education
SPED 6290 (220:290)	Practicum
Electives:	
Electives (chosen from the following) must be added to reach a total 27 hours along with above courses for the Advanced Studies requirement.	
EDLEAD 6245 (270:245)	Leadership for Effective Schools
EDLEAD 6249 (270:249)	Leading Learning, Teaching, and Curriculum
EDLEAD 6289 (270:289)	Seminar in Educational Leadership *
EDLEAD 7310 (270:310)	Human Resource Administration
EDLEAD 7311 (270:311)	Educational Leadership and Systems Change
EDLEAD 7315 (270:315)	Leading Teaching, Learning and Assessment
EDLEAD 7318 (270:318)	Evaluation of Administrators
EDLEAD 7319 (270:319)	Power, Politics, and Ethics in School District Leadership
EDLEAD 7385 (270:385)	Readings in Educational Leadership
MEASRES 6270 (250:270)	Educational Program Evaluation (if not taken for Professional Common Core)
SPED 7301	Internship in Special Education Administration
SPED 7385	Readings in Special Education
SPED 7386 (220:386)	Studies in Special Education
SPED 6285	Readings in Special Education
SPED 6286	Studies in Special Education
Other courses as approved by ISA.	
*1-3 hours - may be repeated with Intensive Study Area approval.	
III. Dissertation Research	6
Total Hours	60

Doctor of Industrial Technology Degree

(Note: Admission to this degree is currently suspended.)

Students interested in the Doctor of Industrial Technology 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 Technology for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. The Graduate Record Examination (GRE) is required for admission to the program.

The Doctor of Industrial Technology (D.I.T.) degree is designed to develop scholars in the fields of education and industry. The University of Northern Iowa offers the D.I.T. degree to meet the increasing need for advanced degree work in the field of Technology which includes, but is not limited to, technology, applied engineering, trade and industrial education, technical institute education, industrial training, and technology transfer. This research-oriented terminal degree program also includes the study of the technological systems used in industry and their effect on society and culture.

The D.I.T. program emphasizes the development of a thorough knowledge of

1. industrial technology as an intellectual discipline,
2. the technological systems used in industry and their effect on people and the environment, and
3. the potential and limitations of future developments in technological systems and their utilization in industry.
4. intellectual tools necessary to pursue scholarly research and applied practices in the field of industrial technology and applied engineering.

The Doctor of Industrial Technology degree program is intended to prepare graduates for one or more of the following professional careers:

1. Faculty, supervisors, and consultants of applied engineering and/or technology, trade and industrial education, technical institute education and technology education in secondary schools, colleges and universities.
2. Researchers and project coordinators, technology transfer specialists, technology forecasters and assessors of technology for industrial policy planning and decision making.
3. Academic leaders (e.g., deans, department heads, or directors) of technology-oriented programs at post-secondary institutions.
4. Researchers and research coordinators for education and industry in specific content fields of technology or engineering technology.
5. Designers, coordinators and directors of industrial training or human resource programs, and related industrial applications.

The Doctor of Industrial Technology degree program requires a minimum of 60 semester hours of credit completed beyond the Master's degree. Specific program requirements are listed within the Department of Technology in this catalog.

Admission to Doctoral Study

Application for Admission

Individuals possessing the Master's degree in Technology, Engineering, Engineering Technology, Technology Education, or a related technical program, from a regionally accredited U.S. institution or an internationally reputable institution, may apply for admission to the Doctor of Industrial Technology degree program.

Applicants in the final semester or summer session of work on the Master's degree may submit application materials and be admitted

on *provisional* degree status until the Master's degree notification is received in the Office of Admissions.

Types of Admissions

Admission to the Doctor of Industrial Technology degree program may be granted on an unconditional (*degree status*) or *provisional status* basis.

1. Unconditional (Degree Status)

- a. The applicant must hold a master's degree with an education or industry specialization in a content field in or related to industrial technology; the degree must have been granted by a regionally accredited institution or internationally reputable institution.
- b. The applicant must have an overall grade point average of **3.00 on all** prior graduate course work.
- c. The applicant must have completed the Graduate Record Examination (GRE) and have her/his percentile scores forwarded directly from the testing agency to the Office of Admissions. The minimum GRE scores must rank as the 30th percentile in the verbal section, the 30th percentile in analytical writing, and the 50th percentile in the quantitative section for unconditional admission status. **The department will not be able to make an admission decision (unconditional or provisional) until official GRE scores are on file.**
- d. Three references from persons familiar with the academic and professional potential of the applicant must be submitted.
- e. 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 score for unconditional admission 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. See English Proficiency in **Admission to Graduate Study** in this university catalog for further information. The applicant is encouraged to have a minimum of two full years of professional-level educational or industrial experience in or related to the major field of specialization. Individuals without this experience may be admitted to the D.I.T. program but appropriate professional experience must then be included in the degree. What constitutes appropriate professional experience will be determined by the student's faculty advisory committee and this requirement will be included in the student's degree requirements. All applications for admission will be reviewed by the Department of Technology Graduate Programs Committee. The committee may recommend unconditional admission only if the candidate meets all the above requirements. Admission to D.I.T. program is considered for Fall semesters only. There will be no admission considered for Spring semesters due to prerequisites and a smooth program flow of courses.

2. Provisional Status

- a. *Provisional* admission may be recommended if an applicant does not meet all the aforementioned requirements or if the committee believes further graduate course work or professional experience is desirable prior to an applicant's being approved for *unconditional* admission. (See guidelines regarding provisional status.)
- b. Applicants admitted on provisional status must meet one or both of the following criteria before they may be reconsidered for degree status:
 - i completion of all deficiencies for admission to degree status.
 - ii completion of a minimum 9 hours for a summer session or 12 hours during a spring or fall semester with a minimum grade point average of **3.00** in course work recommended by the faculty advisor appointed by the department head. Course work completed while the individual is on provisional degree status admission may be applied toward degree requirements only if it is approved by the faculty advisory committee assigned to the student.

Faculty Advisory Committee

After admission has been granted, a faculty advisory committee will be chosen. The committee will consist of three members from the Department of Technology and two members from outside the department, at a minimum. The minimum five committee members must be members of the University of Northern Iowa Regular Graduate Faculty. Eligible committee members from within the Department of Technology will serve as chair and co-chair. An expansion of the committee may occur if a non-faculty person agrees to serve due to expertise or as a representative of an area of knowledge. Non-faculty personnel will participate in all committee responsibilities except for signature decisions. The student and the faculty advisor will be responsible for recommending members for appointment to the faculty advisory committee. The student should specify in a letter to the Graduate Coordinator the rationale for each person recommended to serve on the committee. Students must complete a Committee Approval Form, available at www.grad.uni.edu/thesis-dissertation/thesis-forms, and obtain the approval of the Departmental Graduate Coordinator and the Head of the Department of Technology. The form with approvals is then submitted to the Graduate College for the Graduate Dean's signature to finalize the selection of advisory committee members. This advisory committee shall have responsibility for the following:

1. advise appropriate course work based on student competencies and dissertation research plans.
2. preparation and evaluation of comprehensive written and oral examinations.
3. determination of any remedial requirements after comprehensive written and oral examinations are completed.
4. approval of publication requirement before allowing student to submit dissertation proposal.
5. approval of dissertation proposal and supervision of dissertation effort.

6. final approval of completed dissertation.
7. preparation and evaluation of oral examination over dissertation.
8. recommendation of candidate for degree.

All actions of the committee must be approved with no more than one dissenting vote.

Should it be necessary to request changes in the composition of the committee, the graduate student must specify in a letter to the departmental Graduate Coordinator the rationale for the replacement. A disagreement in perspective, thought, or position may not be cause for replacement. Any faculty member choosing to resign from the committee must submit a letter of request to the departmental Graduate Coordinator.

Admission to Candidacy

1. Students should identify the D.I.T. advisory committee before the end of the first academic year.
2. Students admitted to the program with provisions must remediate those provisions within their first year or by the end of their first year of study in the Department of Technology.
3. Students who do not comply with (1) and (2) above are likely to be forfeiting their admission to the D.I.T. degree program.
4. All course work in progress or completed prior to applying for admission to candidacy and program approval must be subsequently approved by the faculty advisory committee in order to be counted on a student's degree.
5. Admission to candidacy will be recommended to the department head only after a formal interview of the student has been conducted by the faculty advisory committee.
6. Any changes to be made in the planned course of study must be approved by the faculty advisory committee and the Dean of the Graduate College or designee.

General Regulations

See also the Common Regulations and Requirements for All Graduate Programs.

1. Maximum academic load

The maximum graduate student load during each semester of the academic year is 15 hours, and 12 hours for those with an assistantship; that permitted during the eight-week summer session is 9 hours and during the two-week post-session, 2 hours. See also the Common Regulations and Requirements for All Graduate Programs.

2. Credit from other institutions

A student can apply toward the doctorate **either** transfer credit (a maximum of 12 hours) **or** credit from a second or third master's degree (maximum of 6 hours), **but not both or any combination of the two.**

a. Transfer credit

Usually a maximum of 12 semester hours of post-Master's graduate credit from other accredited institutions may be

applied toward meeting minimum credit hour requirements for the Doctor of Industrial Technology degree, subject to the transfer credit eligibility criteria and procedures under Common Regulations and Requirements for All Graduate Programs. **Hours that have been applied to meet the requirements of another degree cannot be transferred.** The student's faculty advisory committee will make recommendations regarding the applicability of transfer credits taken prior to admission to D.I.T. degree program.

b. Master's degree credit

A maximum of 6 hours of graduate credit applied to meet the requirements of a second or third master's degree may be applied toward the doctorate, subject to the Recency of Credit regulation. These hours must be approved by the Doctor of Industrial Technology Advisory Committee or the Graduate Program Committee.

Graduation Requirements

1. Scholarship

A cumulative and Plan grade index of 3.00 (B average) must be earned at the University of Northern Iowa in all courses attempted as a graduate student and a maximum of 6 hours of C credit (C-, C, C+) may be applied toward credit for graduation. See also the Common Regulations and Requirements for All Graduate Programs. No credit toward graduation will be allowed for courses in which the earned grade is below C-.

2. Credit hour requirements

A minimum of 60 semester hours of credit must be completed beyond the master's degree. At least 45 hours of these credits must be earned at the University of Northern Iowa.

a. Level of courses

A minimum of 38 hours must be in 200/6000-level or 300/7000-level course work. All 100(g)/5000 series courses available in the Department of Technology require research activities beyond those required for undergraduate students; and some courses require activities for doctoral students beyond those required of pre-doctoral students.

b. Research credit

12 semester hours of [TECH 7399 (330:399)] are required for the degree. Credit in Dissertation Research TECH 7399 (330:399) will be earned for the successful completion of the dissertation.

No more than 12 hours of research TECH 7399 (330:399) may be taken. Master's-level Research courses 6299 (xxx:299) may not be applied to a doctoral degree. Directed Research TECH 629R (330:29R) may be taken after all hours of TECH 7399 (330:399) have been registered for, but for no more than 12 hours total and for no more than 6 hours in a given term. xxx 629R (xxx:29R) cannot be applied to the required minimum hours for the degree or the required minimum hours of 200/6000-level or 300/7000-level for the degree.

c. Time Limitation (Recency of credit)

Courses taken more than seven 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.

d. Correspondence Credit (specified as Guided Independent Study at UNI)

See the Common Regulations and Requirements for All Graduate Programs.

e. Workshop credit

See the Common Regulations and Requirements for All Graduate Programs.

3. Residence requirement

In order to meet the residence requirement, the student shall complete a minimum of 18 hours of credit distributed across two or three consecutive semesters over one or two consecutive academic years. Dissertation research will not be used to satisfy the residence requirement.

4. Examinations

The following examinations are required of all students working toward the Doctor of Industrial Technology degree:

a. D.I.T. comprehensive examination

The comprehensive examination is intended to be an evaluation of the candidate's mastery of the entire planned program of study, including the tools of research. It is used to evaluate the candidate's mastery of the subject at or near the end of the program. It should be prepared, administered, and evaluated by the candidate's faculty advisory committee upon completion of all course work in the program, excluding D.I.T. internship and the D.I.T. dissertation research. The written portion will consist of three 4-hour periods. The dates are scheduled for the ninth or tenth week of Fall/Spring semesters only. Upon satisfactory completion of the written portion, the faculty advisory committee will conduct the oral portion with the candidate present. The oral portion shall be opened to faculty who provided questions for the written portion. Successful completion of both the written and oral portions of the comprehensive examination is required. The comprehensive examination will be evaluated at a convened meeting of the faculty advisory committee and reported as satisfactory or unsatisfactory to the Graduate Dean via the Graduate Coordinator and the Head of the Department of Technology.

In the event of a report with three or more votes of satisfactory with reservations in either portion, the exact stipulations of the committee should be recorded on the report form. The statement must specify the time allowed for satisfying the stipulations and must be specific in defining the area if further examination in a particular area is necessary, or in describing any additional courses, actions or procedures that are required. The examination cannot be deemed complete or reportable until such stipulations have been satisfied. Successful completion of the comprehensive examination will be reported if four of five committee members indicate a

satisfactory report on both the written and the oral portions. In case of a report of unsatisfactory on a portion of the examination, a second examination must be administered in the next succeeding semester or summer session. A candidate will be permitted two opportunities to achieve a satisfactory report. A third opportunity will only be allowed with a special approval by the department head upon the recommendations of four of the five members of the faculty advisory committee. The candidate receiving an unsatisfactory report in the final opportunity by the convened faculty advisory committee will not be permitted to continue or complete the program of graduate studies, and upon submission of the report form to the Head, Department of Technology, and Graduate Dean via the Graduate Program Coordinator, the faculty advisory committee for this candidate will be dissolved.

Post-comprehensive registration

Doctoral students who have completed all of their program requirements except 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 TECH 7300 (330:300), the Post-Comprehensive course registration number. Doctoral students who have completed all course requirements for their program, but have not yet successfully completed the comprehensive examination, will be automatically registered and assessed a fee for TECH 629C, Continuous Registration, until they have met the enrollment criteria for TECH 7300 (330:300) DIT Post Comprehensive Registration.

b. Dissertation Presentation Examination

An oral dissertation presentation examination (defense) is required over the content and methodology used in conducting the research associated with the student's dissertation. This public presentation examination is conducted by the student's faculty advisory committee after the dissertation has been presented to the faculty advisory committee in final form. The department shall publicize the examination presentation (defense) at least 2 weeks in advance.

5. Publication

Before being allowed to submit a dissertation proposal, the student must submit at least one scholarly paper for publication in a peer-reviewed conference proceedings, periodical, journal, or textbook within one of the professional fields related to technology/engineering technology. The faculty advisory committee shall determine when this requirement is met. Publication completed prior to admission to the program may be submitted for consideration.

6. Dissertation

A dissertation is required of all candidates for the Doctor of Industrial Technology degree. Students are encouraged to talk with their faculty advisory committee about the topic for their dissertation early in the program. The dissertation is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at

www.grad.uni.edu/thesis-dissertation. This manual should be consulted prior to writing the dissertation.

a. **Dissertation Committee**

The Faculty Advisory Committee is the dissertation committee. See above under Faculty Advisory Committee for information about this committee.

b. **Credit hours**

The dissertation will involve 12 hours of credit in TECH 7399 (330:399). Students may register for the research credits after successful completion of the research methods courses noted in their doctoral program, but not more than 6 credits in a term. Registration for the last segment of research credit (for work on the dissertation) should be postponed until the dissertation is near completion. All dissertation research credit is recorded as *RC (Research Continued)* until the faculty advisory committee has conducted the final oral examination over the dissertation and given final approval for the dissertation. The Registrar may authorize the extension of time for completion of an *RC (Research Continued)* in research up to one additional calendar year with the consent of the instructor. If at the end of that time the work has not been completed, the *RC* will be changed to an *F (Failure)*.

c. **Doctoral dissertation proposal**

The student, in conjunction with her/his advisor, will make arrangements to present the dissertation proposal to the Faculty Advisory Committee as a group. Formal work on the dissertation may not proceed without approval from the committee.

d. **Dissertation Preview**

During the semester in which the student intends to graduate, the student must make an appointment with the Graduate College for a dissertation preview to have the style and format of the dissertation reviewed. All problems may not be detected during the preview; however, the major difficulties will be discussed. Often a brief consultation will uncover format problems that are easily remedied at this stage. The department must identify the students who should be scheduled for preview each semester. The student must have an up-to-date advisement report and the Dissertation Committee approved by the Graduate Dean before a preview meeting will be scheduled. The preview must be **scheduled and completed no later than eight weeks** before the last day of the semester students intend to graduate. See www.grad.uni.edu/important-dates for the preview dates. No dissertation will be accepted by the Graduate College for final approval without the completion of this preview.

e. **Oral Defense**

See 4.2 above (Examinations). Completion of the dissertation occurs when the student's faculty advisory committee and the Dean of the Graduate College have approved the dissertation. The dissertation must be in final copy form before doctoral committee members may affix their signatures for approval. The dissertation must be submitted in final form to the faculty advisory committee at least eleven weeks prior to graduation.

The department shall publicize the defense at least 2 weeks in advance.

f. **Filing of Dissertation**

Students must present one print copy of the dissertation in final form and also submit it electronically to the Graduate College no later than five weeks before graduation. The submitted print copy must be accompanied by a minimum of three copies of the dissertation approval page, each with original signatures of the committee members. Failure to meet this deadline will result in a delay in graduation. See www.grad.uni.edu/important-dates for the final submission deadline each term. A complete submission includes:

- i Electronic dissertation, produced in one Microsoft Word document, emailed as an attachment from the student's UNI email account to the Thesis Review, janet.witt@uni.edu.
- ii One printed copy of the dissertation and abstract on approved thesis paper. After receiving final approval, this copy will be bound and maintained by Rod Library at the University of Northern Iowa.
- iii *Minimum* of three copies of dissertation abstract title page on approved thesis paper, each one originally signed by the chair, and co-chair if applicable, after the student's successful defense. The Graduate Dean will sign these pages after the dissertation receives final approval of the Graduate College. The Graduate College keeps one copy to be bound into the dissertation, sends one to the Technology department, and returns the extra one to the student for personal use. If the student wants more than one personal copy, extras may be submitted, and all extras will be returned to the student after final approval.
- iv *Minimum* of three copies of the dissertation title page on approved thesis paper with original signatures of all committee members. The student should prepare and obtain signatures on the same number of dissertation title pages and abstract title pages. The Graduate College keeps one copy to be bound into the dissertation, sends one to Technology department, and returns all extras to the student for personal use.
- v Three blank sheets of approved thesis paper (required for binding).
- vi Graduate College dissertation submission form (available at <http://www.grad.uni.edu/thesis-dissertation/thesis-forms>). This is a "fillable" form; it should be opened in Adobe Acrobat and filled out on the computer, and then printed on plain paper.
- vii Dissertation approval form. Please use the most recent version of the form, available at <http://www.grad.uni.edu/thesis-dissertation/thesis-forms>. This form should also be opened in Adobe Acrobat and filled out on the computer, and printed on plain white paper.
NOTE: Handwritten forms will not be accepted. Following the successful defense, obtain all required signatures except the Graduate Dean before submitting to

the Graduate college (the Graduate College Dean will sign when final approval is given by Graduate College).

- viii Actual dissertation draft read at time of preview (not required if preview was done by email).
- ix Self-addressed label (provided at time of preview) for return of extra approval pages to student. paper.
NOTE: If preview was completed by email, be sure to specify mailing address for the return of signed approval pages in lieu of mailing label.
- x After the dissertation has received final approval by the Graduate College, a link to the Agreement and Permission to Preserve Thesis/Dissertation form will be emailed to the student at their UNI email address. This Agreement form must be submitted electronically. This completes the process for the student, and the Graduate College will submit the thesis electronically to the Library and the printed copy will be bound. The Department of Technology and the Registrar's Office will be notified of final approval after this form is submitted.
- xi For further dissertation information, see the Graduate College's *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis-dissertation.

g. Dissertation fees

A fee is required for all students submitting a thesis or dissertation. This covers the Library's costs for binding the print copy and processing the electronic copy of the thesis/dissertation. **The fee will be charged to the student U-Bill after the final copy of the thesis/dissertation is submitted to the Graduate College.** The printed copy of the dissertation will be bound, and both the bound copy and the electronic copy will be retained by UNI's Rod Library.

In addition to the print copy required by the Graduate College, the department requires copies. Students should check with the department for the number of copies required.

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. 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 can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial 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.** Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on

a MyUNiverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application.

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 - Doctoral Degree Students: Students who complete their degree requirements in summer may *only* participate in spring commencement if they 1) applied for summer graduation by April 1, and; 2) have completed all degree requirements, including defense and final submission of the dissertation to the Graduate College, one week prior to spring commencement. All other summer doctoral candidates may only participate in fall commencement even if they receive a summer degree.

8. Attendance at commencement

The candidate for the Doctor of Industrial Technology 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 final dissertation is submitted to the Graduate College.

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

Applied Human Sciences, School of

- **Undergraduate Majors (B.A.)**
 - Family Services
 - Gerontology (also listed in Interdisciplinary section)
 - Interior Design
 - Textile and Apparel
- **Minors**
 - Family Studies
 - Gerontology (also listed in Interdisciplinary section)
 - Long Term Care
 - Social Sciences
 - Textile and Apparel
- **Graduate Major (M.A.)**
 - Counseling
 - Clinical Mental Health Counseling
 - School Counseling

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 History

- **Graduate Major (M.A.)**
 - Art Education

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
 - Combined B.A./M.S. or B.S./M.S. Program Biology
 - Environmental Resource Management (also listed in Department of Geography, Department of Earth and Environmental Sciences and Department of Health, Recreation and Community Services)
- **Minors**
 - Biology
 - Biology-Teaching
- **Graduate Major (M.S.)**
 - Biology
- **Graduate Majors (P.S.M.)**
 - Biotechnology
 - Ecosystem Management

Department of Chemistry and Biochemistry

- **Undergraduate Majors (B.S.)**
 - Biochemistry
 - Chemistry
- **Undergraduate Majors (B.A.)**
 - Biochemistry
 - Chemistry
 - Chemistry-Teaching
- **Minors**
 - Chemistry

Department of Communication Sciences and Disorders

- **Undergraduate Major (B.A.)**
 - Communication Disorders
- **Graduate Major (M.A.)**
 - Speech-Language Pathology

List of Programs by Department

Department of Communication Studies

- **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
 - Political Communication (also listed in Department of Political Science)
- **Minors**
 - Business Communication (also listed in Department of Marketing)
 - Communication Studies (Liberal Arts)
 - Communication-Theatre-Teaching (also listed in Department of Theatre)
 - Communication/Digital Journalism (Liberal Arts)
 - Communication/Digital Media Leadership
 - Communication/Public Relations
 - Interactive Digital Studies
- **Graduate Major (M.A.)**
 - Communication Studies

Department of Computer Science

- **Undergraduate Majors (B.S.)**
 - Computer Science
 - Networking and System Administration
- **Undergraduate Majors (B.A.)**
 - Computer Science
- **Minors**
 - Computer Science
- **Program Certificates**
 - Certificate in Computer Applications
 - Certificate in Computer Science

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**
 - Educational Technology
 - Literacy Education-Teaching
- **Graduate Majors (M.A.)**
 - Instructional Technology
 - 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
 - Instructional Technology 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 Geography, Department of Biology and Department of Health, Recreation and Community Services)
 - Environmental Science
- **Minors**
 - Air Quality
 - Astronomy
 - Earth Science
 - Earth Science-Teaching
 - Environmental Earth Science
 - Geology

Department of Economics

- **Undergraduate Major (B.A.)**
 - Economics
- **Minor**
 - Economics-Liberal Arts

Department of Educational Leadership and Postsecondary Education

- **Graduate Majors (M.A.)**
 - Postsecondary Education: Student Affairs
 - Teacher Leadership for International Educators
- **Graduate Major (M.A.E.)**
 - Principalship
- **Graduate Major (Ed.D.)**
 - Doctor of Education: Educational Leadership intensive study area
- **Program Certificates**
 - Advanced Studies Certificate in Educational Leadership
 - Emphasis: Principalship
 - Emphasis: Superintendency Preparation

Department of Educational Psychology and Foundations

- **Minor**
 - Educational Studies
- **Graduate Majors (M.A.E.)**
 - Educational Psychology: Context and Techniques of Assessment
 - Educational Psychology: Professional Development for Teachers
- **Graduate Major (Ed.S.)**
 - Specialist in Education: School Psychology

Department of Finance

- **Undergraduate Majors (B.A.)**
 - Finance
 - Real Estate
- **Minors**
 - Finance (for Business and Non-Business Majors)
 - Real Estate-Business
 - Real Estate
- **Program Certificate**
 - Financial Analysis
 - Financial and Real Estate Sales for Business Majors (also listed in Department of Marketing)

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 and Department of Health, Recreation and Community Services)
 - Geography
- **Minor**
 - Geography-Liberal Arts
- **Graduate Major (M.A.)**
 - Geography
- **Program Certificate**
 - Crime Mapping and Analysis (also listed in Department of Sociology, Anthropology, and Criminology)
 - Geographic Information Systems (GIS) and Cartography

Department of Health, Recreation and Community Services

- **Interdisciplinary**
 - **Undergraduate Major (B.A.)**
 - Environmental Resource Management (also listed in Department of Biology, Department of Earth and Environmental Sciences and Department of Geography)
- **Athletic Training**
 - **Undergraduate Major (B.A.)**
 - Athletic Training and Rehabilitation Studies

- **Graduate Major (M.A.T.R.)**
 - Masters of Athletic Training
- **Health Promotion and Education**
 - **Undergraduate Major (B.A.)**
 - Health Promotion
 - **Minors**
 - Health Education-Teaching
 - Health Promotion
 - **Graduate Major (M.A.)**
 - Health Education
 - **Program Certificates**
 - Environmental Health
 - Global Health and Humanitarian Assistance
- **Leisure, Youth and Human Services**
 - **Undergraduate Major (B.A.)**
 - Leisure, Youth and Human Services
 - **Minor**
 - Leisure, Youth and Human Services
 - **Graduate Major (M.A.)**
 - Leisure, Youth and Human Services
 - **Program Certificates**
 - Aquatics Specialization (also listed in Department of Kinesiology)
 - Nonprofit Management
 - Outdoor Recreation
 - School-Age Care Leadership
 - Tourism
- **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-Liberal Arts
 - History-Teaching
- **Minor**
 - History
 - Public History
- **Graduate Major (M.A.)**
 - History
- **Program Certificate**
 - Public History

Interdisciplinary Programs (under the supervision and jurisdiction of a college or several colleges, several departments, or committee)

- **Undergraduate Majors (B.A.)/Minors**
 - General Studies Major
 - Gerontology Major (also listed in School of Applied Human Sciences)

List of Programs by Department

- Global Studies Major
- Humanities Major
- Individual Studies Major
- Interactive Digital Studies Major (requirements listed in Department of Communication Studies)
- Interactive Digital Studies Minor (requirements listed in Department of Communication Studies)
- 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
- **Undergraduate Majors (B.A.S.)**
 - Managing Business and Organizations
 - Tactical Emergency Services with Vulnerable Populations (also listed in Department of Sociology, Anthropology, and Criminology)
- **Graduate Majors (M.A.)**
 - Philanthropy and Nonprofit Development
 - Women's and Gender Studies
- **Graduate Major (M.B.A.)**
 - Master of Business Administration
- **Program Certificates**
 - International Business, Culture, and Language (also listed in Department of Languages and Literatures)
 - Leadership Foundations
 - Conflict Resolution
 - Graduate Certificate in Women's and Gender Studies
 - Sustainability

Iowa Lakeside Lab

Department of Kinesiology

- **Undergraduate Majors (B.A.)**
 - Physical Education-Teaching
 - Movement and Exercise Science
- **Minors**
 - Coaching
- **Graduate Major (M.A.)**
 - Physical Education
- **Program Certificate**
 - Aquatics Specialization (also listed in Department of Health, Recreation and Community Services)

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
 - 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
 - Spanish
 - Teaching English in Secondary Schools
 - Teaching English to Speakers of Other Languages (TESOL)
 - TESOL/Modern Language
- **Program Certificates**
 - French Language Studies
 - German Language Studies
 - Hispanic Cultures
 - International Business, Culture, and Language (also listed in Interdisciplinary section)
 - International Commerce
 - 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.)**
 - Management
 - Management Information Systems
 - Supply Chain Management
 - Business Teaching
- **Minors**
 - General Business Concepts
 - Organizational Leadership

Department of Marketing

- **Undergraduate Majors (B.A.)**
 - Marketing
- **Minors**
 - Business Communication (also listed in Department of Communication Studies)
 - Marketing (Non-Business Majors)
- **Program Certificates**

- Entrepreneurship
- Financial and Real Estate Sales for Business Majors (also listed in Department of Finance)

Department of Mathematics

- **Undergraduate Majors (B.A.)**
 - Mathematics
 - Mathematics-Statistics/Actuarial Science
 - Mathematics-Teaching
- **Minors**
 - Mathematics
 - Mathematics-Teaching
 - Mathematics (K-8)-Teaching (also listed in Department of Curriculum and Instruction)
 - Statistics and Actuarial Science
- **Graduate Majors (M.A.)**
 - Mathematics
 - Mathematics
 - Secondary Teaching
 - Community College Teaching
 - Mathematics for the Middle Grades (4-8)
- **Graduate Majors (P.S.M.)**
 - Industrial Mathematics
- **Program Certificate**
 - Statistical Computing

Department of Military Science

- **Minor**
 - Military Science Minor

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 Philosophy and World Religions

- **Undergraduate Majors (B.A.)**
 - Philosophy
 - Study of Religion
- **Minors**
 - Ethics
 - Philosophy
 - Religion

Department of Physics

- **Undergraduate Majors (B.S.)**
 - Physics
- **Undergraduate Majors (B.A.)**
 - Physics
 - Physics-Teaching
- **Minors**
 - Nanoscience and Nanotechnology
 - Physics
- **Program Certificate**
 - Physics Teaching

Department of Political Science

- **Undergraduate Majors (B.A.)**
 - Political Communication (also listed in Department of Communication Studies)
 - Political Science-Liberal Arts
 - Public Administration
- **Graduate Majors (M.P.P.)**
 - Master of Public Policy
- **Minors**
 - International Affairs-Liberal Arts
 - Political Science-Liberal Arts
 - Politics and Law
- **Program Certificates**
 - International Peace and Security
 - Public Administration
 - 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**

List of Programs by Department

- Industrial and Organizational Psychology
- Military 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 (also listed in Department of Curriculum and Instruction)
 - 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
- **Graduate Major (M.A.)**
 - Social Science

Department of Social Work

- **Undergraduate Major (B.A.)**
 - Social Work
- **Minor**
 - Social Welfare
- **Graduate Major (M.S.W.)**
 - Social Work
- **Program Certificates**
 - Child Welfare
 - Conflict Resolution
 - Social Work
 - Substance Abuse Counseling Certificate

Department of Sociology, Anthropology, and Criminology

- **Undergraduate Majors (B.A.)**
 - Anthropology
 - Criminology
 - Sociology
- **Undergraduate Majors (B.A.S.)**
 - Criminal Justice
 - Tactical Emergency Services with Vulnerable Populations (also listed in Interdisciplinary section)
- **Minors**
 - Anthropology
 - Criminology
 - Sociology
- **Program Certificates**

- Crime Mapping and Analysis (also listed in Department of Geography)
- Sociology of Inequality
- Sociology of Family and Life Course
- Sociology of Gender and Culture
- 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 Technology

- **Undergraduate Majors (B.S.)**
 - Construction Management
 - Electrical Engineering Technology (EET)
 - Manufacturing Engineering Technology
 - Technology and Engineering Education-Teaching
- **Undergraduate Majors (B.A.)**
 - Graphic Technologies
 - Technology Management
 - Combined B.A./M.S. or B.S./M.S.-Technology
- **Undergraduate Majors (B.A.S.)**
 - Technology
- **Minors**
 - Electrical and Electronics Technology (EET)
 - Graphic Technologies
 - Manufacturing Technology Design
 - Technology Education - Teaching
 - Technology Management
- **Graduate Major (M.S.)**
 - Technology
- **Graduate Major (D.I.T.)**
 - Doctor of Industrial Technology
- **Program Certificates**
 - Technology Management

Department of Theatre

- **Undergraduate Majors (B.A.)**
 - Communication-Theatre-Teaching (also listed in Department of Communication Studies)
 - Theatre

- **Minors**

- Communication-Theatre-Teaching (also listed in Department of Communication Studies)
- Theatre

Department of Accounting

(College of Business Administration)

www.cba.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

Graduate Major (MAcc)

- Master of Accounting

Undergraduate note: Students majoring in Accounting must satisfy the College of Business Administration (CBA) admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from UNIBusiness Advising in the College of Business Administration or at

<http://business.uni.edu/web/pages/currentstudents/advisingcenter-collegepolicies.cfm>. 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 100/3000-level) business courses only. Enrollment in upper division (100/3000/4000-level) business courses and MKTG 2110 (130:101) requires satisfactory completion of the CBA admission requirements and any course prerequisites.

Accounting majors *may* declare a double major, and/or major and minor within the College of Business Administration subject to regulations imposed by those CBA departments affected. Accounting majors minoring within the CBA must select minors designated for business majors.

To graduate with a major in Accounting from the College of Business Administration, 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 100/3000/4000-level UNI Accounting courses. Students must take at least 50% of the course work required for the degree outside the College of Business Administration. Up to nine hours of economics (excluding ECON 1021 (920:020)) and six hours of statistics may be counted as outside the College of Business Administration. A student must earn a 2.20 cumulative grade point average at UNI and earn an overall 2.20 grade point average in 120:xxx/ACCT xxxx, 130:xxx/MKTG xxxx, 150:xxx/MGMT xxxx, 160:xxx/FIN xxxx, and 920:xxx/ECON xxxx courses taken at UNI, and earn a grade of C- or better in the following courses:

ACCT 3120 (120:129)	Intermediate Accounting I	3
ACCT 3122 (120:130)	Intermediate Accounting II	3
ACCT 3130 (120:131)	Cost Accounting	3

ACCT 3140 (120:136)	Accounting Information Systems	3
ACCT 4150 (120:132)	Income Tax	3
ACCT 4160 (120:134)	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 (120:030)) or Principles of Managerial Accounting (ACCT 2130 (120:031)).

The Accounting Department may impose additional admission requirements for students wishing to declare a minor or a second CBA major. Eligibility to declare a minor or a second CBA major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNIBusiness Advising (CBB 5) in the College of Business Administration.

Bachelor of Arts Degree Programs

Accounting Major

The Accounting major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Business Core

Business Administration, Interdepartmental:		
BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professionals in Training	0

Accounting:

ACCT 2120 (120:030)	Principles of Financial Accounting	3
ACCT 2130 (120:031)	Principles of Managerial Accounting	3

Marketing:

MKTG 2110 (130:101)	Principles of Marketing	3
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Management:

MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
MGMT 3154 (150:154)	Operations Management	3
MGMT 4175 (150:175)	Business Policy and Strategy	3

Finance:

List of Programs by Department

FIN 3130/5130 (160:151g)	Corporate Finance	3
Economics:		
ECON 1011 (920:070)	Statistics for Business Analytics *	3
ECON 1021 (920:020)	Decision Analytics *	3
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
Required		
Accounting:		
ACCT 3120 (120:129)	Intermediate Accounting I	3
ACCT 3122 (120:130)	Intermediate Accounting II	3
ACCT 3130 (120:131)	Cost Accounting	3
ACCT 3140 (120:136)	Accounting Information Systems	3
ACCT 4150 (120:132)	Income Tax	3
ACCT 4160 (120:134)	Auditing	3
Total Hours		57

* In addition to the required 57 hours, ECON 1021 (920:020) and ECON 1011 (920:070) have as a prerequisite STAT 1772 (800:072) or equivalent. STAT 1772 (800:072) will satisfy Category 1C of the Liberal Arts Core.

While Accounting majors are not required to take accounting electives, the following electives are offered:

ACCT 4025/5025 (120:135g)	Advanced Accounting	3
ACCT 4052 (120:142)	Advanced Income Tax	3
ACCT 4065/5065 (120:145g)	Principles of Fraud Examination	3
ACCT 4070/5070 (120:139g)	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 www.grad.uni.edu/admission.

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 (120:129), Intermediate Accounting II ACCT 3122 (120:130), Cost Accounting ACCT 3130 (120:131), Income Tax ACCT 4150 (120:132), Auditing ACCT 4160 (120:134), and Accounting Information Systems ACCT 3140 (120:136). 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 (120:129) and Intermediate Accounting II ACCT 3122 (120:130). 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 (120:130). 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 200/6000-level**. In addition, all transfer credit must be at the graduate level (i.e., equivalent to UNI's 200/6000-level courses).

Required

Accounting:

ACCT 6120 (120:229)	Financial Accounting Theory and Analysis	3
ACCT 6170 (120:201)	Business Law for the Professional Accountant	3
ACCT 6175 (120:214)	Applied Professional Research	3
Information technology component:		
ACCT 6140 (120:236)	Business Analytics in Accounting	3
or MGMT 6249 (150:249)	Management Information Systems Concepts	

Electives 18

Accounting:

ACCT 4025/5025 (120:135g)	Advanced Accounting
ACCT 4065/5065 (120:145g)	Principles of Fraud Examination
ACCT 4070/5070 (120:139g)	Government and Not-for-Profit Accounting
ACCT 4162/5162	Advanced Auditing
ACCT 6052 (120:242)	Advanced Tax Topics
ACCT 6090 (120:269)	Graduate Internship in Accounting
ACCT 6092 (120:280)	Topics in Accounting: Fraud Examination
ACCT 6285 (120:285)	Individual Readings
ACCT 6289 (120:289)	Seminar in Contemporary Issues in Accounting
ACCT 6299 (120:299)	Research

Ethics:

MGMT 3974/5974 (150:174g)	Business, Ethics, and Society
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International Business:

ECON 3245/5245 (920:136g)	International Economics
ECON 3261/5261 (920:175g)	International Financial Economics

FIN 3032/5032 (160:158g)	International Financial Management
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MKTG 3176/5176 (130:177g)	Global Marketing
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Other electives:

ECON 3221/5221 (920:117g)	Public Finance
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ECON 3229/5229 (920:125g)	Cost-Benefit Analysis
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ECON 3253/5253 (920:148g)	Urban and Regional Economics
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FIN 3160/5160 (160:152g)	Principles of Investments
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MGMT 3905/5905 (150:105g)	Employment and Labor Law
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MGMT 3965/5965 (150:165g)	Organizational Behavior
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MGMT 3984/5984	Dynamics of Negotiations
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MKTG 3113/5113 (130:106g)	Consumer Behavior
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HIST 6020 (960:225)	History and U.S. Public Policy
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POL AMER 4153/5153 (942:153g)	Public Organizations
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POL AMER 4173 (942:173g)	The Public Policy Process
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Any other graduate level course approved by the MAcc program director.

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 (120:144) or ACCT 3090 (120:169) or ACCT 3179 (120:179) or ACCT 6090 (120:269). 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.

School of Applied Human Sciences

(College of Social and Behavioral Sciences)

www.uni.edu/sahs

The School of Applied Human Sciences offers the following undergraduate programs. Specific requirements for these programs are listed within this School of Applied Human Sciences section in the following order:

Undergraduate Majors (B.A.)

- Family Services
- Gerontology (also listed under Interdisciplinary section)
 - Long Term Care
 - Social Sciences
- Interior Design
- Textile and Apparel

Minors

List of Programs by Department

- Family Studies
- Gerontology (also listed under Interdisciplinary section)
- Textile and Apparel

Graduate Major (M.A.)

- Counseling
 - Clinical Mental Health Counseling
 - School Counseling

Bachelor of Arts Degree Programs

Family Services Major

The Family Services major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Family Studies:

FAM SERV 1010 (31F:010)	Human Identity and Relationships	3
FAM SERV 1020 (31F:020)	Family Relationships	3
FAM SERV 1030 (31F:030)	Research Methods in Family Science	3

OR 3 hours social science research methods such as:

PSYCH 3002 (400:101)	Research Methods
SW 3185 (450:185)	Social Work Research
COMM COR 2020 (48C:080)	Communication Research Methods
COMM 4021/5021 (48C:180g)	Quantitative Research Methods
or SOC 2010 (980:108)	Research Methods

FAM SERV 1055 (31F:055)	Human Growth and Development *	3
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or another developmental course such as PSYCH 2202 (400:120)

FAM SERV 1057 (31F:057)	Human Relationships and Sexuality	3
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FAM SERV 2060 (31F:060)	Strategies and Issues in Family Services	3
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FAM SERV 4178 (31F:178)	Family Life Education	3
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Choose course(s) from each of the following groups:

Group 1: Families in Context

Select one of the following: 3

Family Studies:

FAM SERV 2077 (31F:077)	Management of Family Resources
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FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy
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FAM SERV 3175/5175	Family Financial Counseling and Literacy
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FAM SERV 3176/5176 (31F:177g)	Consumer Behavior Across the Lifespan
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American Politics:

POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law
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Group 2: Relationship Dynamics 6

Select two of the following:

Family Studies:

FAM SERV 2054 (31F:054)	Interpersonal Relationship Dynamics
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FAM SERV 2111	Families and End of Life Issues
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or GERO 2111 Families and End of Life Issues

FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships
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FAM SERV 3150/5150 (31F:150g)	Families and Aging
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FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis
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Group 3: Professional Applications 6

Select two of the following:

Family Studies:

FAM SERV 3155/5155 (31F:155g)	Parenting
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FAM SERV 3160/5160 (31F:160g)	Family Assessment and Intervention
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FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias
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or GERO 3161/5161 Families, Alzheimer's and Related Dementias

FAM SERV 4157/5157 (31F:157g)	Human Sexuality Education
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FAM SERV 4190 (31F:190)	Professional Practice in Family Services **
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Group 4: Diversity 3

Select one of the following:

Psychology:

PSYCH 2201 (400:060)	Psychology of Gender
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PSYCH 3204/5204 (400:173g)	Psychology of Aging
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PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective
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Health Promotion and Education:

HPE 4247/5247 (410:147g)	Minority Health
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FAM SERV 1140	Culture and Marriage
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SPED 3150 (220:150)	Meeting the Needs of Diverse Learners in Classrooms
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Social Work:

SW 2045 (450:045)	American Racial and Ethnic Minorities
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SW 4163 (450:163g)	Diversity and Difference
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Sociology:

SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice
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SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective
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Senior Experience (choose Option A or B) 9

Option A:

FAM SERV 4195 (31F:195)	Internship in Family Services **
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Option B:

9 additional hours from Groups 1, 2, and/or 3.	
Total Hours	48

- * These courses have additional prerequisites as follows:
FAM SERV 1055 (31F:055) has a prerequisite of PSYCH 1001 (400:001) or consent of instructor.
PSYCH 2202 (400:120) has a prerequisite of PSYCH 1001 (400:001).
- ** FAM SERV 4195 (31F:195) has prerequisite of FAM SERV 4190 (31F:190).

A minimum of 2.40 cumulative grade point average (GPA) and School of Applied Human Sciences (SAHS) approval is required for declaration of this major. Students must maintain at least a cumulative 2.40 GPA and have SAHS approval in order to register for FAM SERV 4190 (31F:190) Professional Practice in Family Services, FAM SERV 4195 (31F:195) Internship in Family Services, and to graduate. Students must achieve a minimum of C (2.00 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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

It is suggested students take *PSYCH 1001 (400:001)*, *SW 1041 (450:041)*, and *SOC 1000 (980:001)* as their Social Sciences area Liberal Arts Core, 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 School of Applied Human Sciences and under the supervision of the Gerontology Advisory Committee.

Social Sciences Track

Required

Gerontology core: 15

School of Applied Human Sciences

FAM SERV 3150/5150 (31F:150g)	Families and Aging
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Psychology: *

PSYCH 1001 (400:001)	Introduction to Psychology
PSYCH 3204/5204 (400:173g)	Psychology of Aging

Sociology: *

SOC 1000 (980:001)	Introduction to Sociology
SOC 3035/5035 (980:125g)	Social Gerontology

Research Methods 3-4

Choose one of the following research methods courses:

School of Applied Human Sciences:	
FAM SERV 1030 (31F:030)	Research Methods in Family Science
Leisure, Youth and Human Services:	

LYHS 4070/5070 (430:169g)	Research and Evaluation in Leisure, Youth and Human Services [^]
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Psychology:

PSYCH 3002 (400:101)	Research Methods
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Sociology:

SOC 2010 (980:108)	Research Methods
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Families and Aging: 3

Choose one of the following Families and Aging courses:

School of Applied Human Sciences:

FAM SERV 2077 (31F:077)	Management of Family Resources
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FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias
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FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy [^]
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GERO 3161/5161	Families, Alzheimer's and Related Dementias
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or FAM SERV 3161/5161 Families, Alzheimer's and Related Dementias

Development courses: 3

Choose one of the following Development courses:

School of Applied Human Sciences:

FAM SERV 1055 (31F:055)	Human Growth and Development
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Psychology:

PSYCH 2202 (400:120)	Developmental Psychology
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Ethics courses: 3

Choose one of the following Ethics courses:

GERO 2111	Families and End of Life Issues
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or FAM SERV 2111 Families and End of Life Issues

World Religions/Philosophy:

RELS/PHIL 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics
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RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying
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Communication Studies

COMM 4236 (48C:128)	Ethics in Communication
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Gerontology elective courses: 9

Choose three of the following Gerontology courses:

Social Work:

SW 4173/5173 (450:173g)	Social Services for Older Adults [^]
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Anthropology:

ANTH 3102/5102 (990:168g)	Culture, Disease, and Healing [^]
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ANTH 3202/5202 (990:152g)	Human Biological Variation [^]
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World Religions/Philosophy:

RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying
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Health Promotion and Education:

HPE 4353/5353 (410:153g)	Public Health Theory
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Communication Sciences and Disorders:

List of Programs by Department

CSD 1000 (51C:006)	Understanding Communication Disorders
School of Applied Human Sciences:	
INTDSGN 3129 (31I:129)	Interior Design Standards
Communication Studies:	
COMM 4116/5116 (48C:138g)	Health Communication
Gerontology:	
GERO 4170/5170 (31G:170g)	Long Term Care Administration [^]
GERO 4184/5184 (31G:184g)	Topics in Gerontology
GERO 4198 (31G:198)	Independent Study in Gerontology
Internship	4
Senior Seminar, Gerontology:	
GERO 4193 (31G:193)	Internship Seminar (1 hr.)
GERO 4195 (31G:195)	Internship in Gerontology (Social Sciences track section - 3 hrs.)
Total Hours	40-41

* Courses may be used to meet requirements in either Gerontology Core or Curriculum Cluster, but not both.

[^] [^] These courses have additional prerequisites as follows:
 LYHS 4070/5070 (430:169g) has a prerequisite of LYHS 3060 (430:110).
 FAM SERV 3162/5162 (31F:162g) has a prerequisite of FAM SERV 1020 (31F:020) with a minimum grade of C in all prerequisite courses.
 SW 4173/5173 (450:173g) has a prerequisite of SW 1041 (450:041).
 ANTH 3102/5102 (990:168g) has a prerequisite of SOC 1000 (980:001) or ANTH 1002 (990:011).
 GERO 4170/5170 (31G:170g) has the following prerequisite: 2 of the following 4 courses -
 FAM SERV 3150/5150 (31F:150g), PSYCH 3204/5204 (400:173g), HPE 4125/5125 (410:125g), SOC 3035/5035 (980:125g).

Long Term Care Track

Required

Business courses	12
Select at least one of the following from business group 1:	
Accounting:	
ACCT 2120 (120:030)	Principles of Financial Accounting
ACCT 2130 (120:031)	Principles of Managerial Accounting
Select at least one of the following from business group 2	
Management:	
MGMT 3100 (150:100)	Legal and Social Environment of Business
MGMT 3101 (150:101)	Business Law
MGMT 3905/5905 (150:105g)	Employment and Labor Law [^]

MGMT 3153 (150:153)	Organizational Management
MGMT 3966/5966 (150:166g)	Staffing and Employee Development [^]
Gerontology core	9
Select three of the following from Gerontology core	
School of Applied Human Sciences:	
FAM SERV 3150/5150 (31F:150g)	Families and Aging [^]
GERO 3161/5161	Families, Alzheimer's and Related Dementias
or FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias
Psychology:	
PSYCH 3204/5204 (400:173g)	Psychology of Aging [^]
Sociology:	
SOC 3035/5035 (980:125g)	Social Gerontology [^]
Required Health Care Administration	5
School of Applied Human Sciences:	
GERO 4170/5170 (31G:170g)	Long Term Care Administration [^]
Health Promotion and Education:	
HPE 2160 (410:060)	Medical Terminology
Health Care Administration electives (minimum 7 hours):	7
GERO 2111	Families and End of Life Issues
or FAM SERV 2111	Families and End of Life Issues
Social Work:	
SW 4173/5173 (450:173g)	Social Services for Older Adults [^]
Health Promotion and Education:	
HPE 1101 (410:005)	Introduction to Public Health
HPE 4164 (410:164g)	Health Care and the Consumer
HPE 4353/5353 (410:153g)	Public Health Theory
Communication Studies:	
COMM 4116/5116 (48C:138g)	Health Communication
Internship ^{^^}	10-12
Students complete the seminar and internship:	
Senior Seminar School of Applied Human Sciences:	
GERO 4193 (31G:193)	Internship Seminar
Internship School of Applied Human Sciences:	
GERO 4195 (31G:195)	Internship in Gerontology (Long Term Care track section)
Total hours	43-45

- ^ These courses have additional prerequisites as follows:
 MGMT 3905/5905 (150:105g) has a prerequisite of MGMT 3100 (150:100) or MGMT 3101 (150:101).
 MGMT 3966/5966 (150:166g) has prerequisites of MGMT 3153 (150:153) and MGMT 3155.
 FAM SERV 3150/5150 (31F:150g) has prerequisites of FAM SERV 1020 (31F:020); FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); a minimum grade of C in all prerequisite courses.
 PSYCH 3204/5204 (400:173g) has a prerequisite of PSYCH 1001 (400:001).
 SOC 3035/5035 (980:125g) has a prerequisite of SOC 1000 (980:001).
 GERO 4170/5170 (31G:170g) has the following prerequisite: 2 of the following 4 courses - FAM SERV 3150/5150 (31F:150g), PSYCH 3204/5204 (400:173g), HPE 4125/5125 (410:125g), or SOC 3035/5035 (980:125g).
 SW 4173/5173 (450:173g) has a prerequisite of SW 1041 (450:041).
- ^^ Students choosing to take the State of Iowa licensing exam may need to complete up to 10 credit hours of internship, for a total of 43 hours for the Long Term Care track.

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 Liberal Arts Core 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. A copy of the Admission Policy may be obtained from the School of Applied Human Sciences in Latham Hall. 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 (31I:065)	Introduction to Interior Design	2
INTDSGN 1061 (31I:061)	Design Foundations	3
INTDSGN 1063 (31I:063)	Drafting for Interiors	3
INTDSGN 1065	Design Visualization and Communication	2
INTDSGN 1067 (31I:067)	History of Interiors I	2
INTDSGN 2063 (31I:064)	Computer Applications for Interior Design I	3
INTDSGN 2065	Space Planning and the Human Experience	2
INTDSGN 2067 (31I:068)	History of Interiors II	2
INTDSGN 2069	Materials and Resources for Interior Design	2

INTDSGN 3063	Computer Applications for Interior Design II	3
INTDSGN 3069	Building Systems and Lighting	3
INTDSGN 3129 (31I:129)	Interior Design Standards	2
INTDSGN 3151	Residential Design I	3
INTDSGN 3152	Residential Design II	3
INTDSGN 3164 (31I:164)	Professional Practice of Interior Design	2
INTDSGN 3165	Professional Preparation in Interior Design	1
INTDSGN 4151	Commercial Design I	3
INTDSGN 4152	Commercial Design II	3
INTDSGN 4161	Advanced Design I	2
INTDSGN 4162	Advanced Design II	3
INTDSGN 4195 (31I:195)	Internship in Interior Design	4
TEXDSGN 1002 (31T:013)	Textile Science	3
Economics:		
ECON 1031 (920:024)	Introduction to Economics	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Elective		
Select one of the following:		3
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	
Business:		
BUSINESS 2010 (100:040)	Entrepreneurial Fundamentals (Business:)	
Finance:		
FIN 3110 (160:140)	Principles of Real Estate	
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	
MGMT 3113 (150:113)	Business Communication	
Marketing:		
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 3143 (130:150)	Advertising and Promotion	
MKTG 3146 (130:160)	Digital Advertising	
MKTG 3153 (130:153)	Personal Selling	
MKTG 3154	Sales Management	
MKTG 3156 (130:178)	Services Marketing	
MKTG 3166 (130:166)	Retail Management	
MKTG 3176/5176 (130:177g)	Global Marketing	
Total Hours		65

Textile and Apparel Major

The Textile and Apparel major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

List of Programs by Department

Required

School of Applied Human Sciences:		
TEXDSGN 1002 (31T:013)	Textile Science	3
TEXDSGN 1003 (31T:012)	Creative Textile and Apparel Design Foundations	3
TEXDSGN 1004	Fashion Culture and Industry	3
TEXDSGN 2004 (31T:116)	History of Costume	3
TEXDSGN 2006 (31T:011)	Computer Textile and Apparel Design Foundations	3
TEXDSGN 2007 (31T:014)	Apparel Design and Evaluation	3
TEXDSGN 3008 (31T:100)	Computer Applications for the Textile and Apparel Industry	3
TEXDSGN 3009 (31T:123)	Textile Structures	3
TEXDSGN 3010 (31T:124)	Quality Assurance for Textile Materials	3
TEXDSGN 3011 (31T:119)	Fashion Trend Analysis	3
TEXDSGN 3012 (31T:122)	Fashion Design: Flat Pattern and Draping	3
TEXDSGN 3013 (31T:185)	Professional Development: Textile and Apparel	2
TEXDSGN 4015/5015 (31T:114g)	Dress and Human Behavior	3
TEXDSGN 4016 (31T:115g)	Apparel Product Development and Merchandising	3
TEXDSGN 4195 (31T:195)	Internship in Textile and Apparel	4
School of Applied Human Sciences:		
Select one of the following:		3
TEXDSGN 2005 (31T:121)	Fashion Promotion	
TEXDSGN 4184/5184 (31T:184g)	Topics in Textile and Apparel	
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
MKTG 3166 (130:166)	Retail Management	3
Economics:		
ECON 1031 (920:024)	Introduction to Economics	3
Select one of the following:		3
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	
Marketing:		
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 4170/5170 (130:191g)	Marketing Strategy	
Management:		
MGMT 3153 (150:153)	Organizational Management	
Total Hours		60

Minors

Family Studies Minor

Required

Family Studies:		
FAM SERV 1020 (31F:020)	Family Relationships	3

FAM SERV 1055 (31F:055)	Human Growth and Development	3
or PSYCH 2202 (400:120)	Developmental Psychology	
FAM SERV 1057 (31F:057)	Human Relationships and Sexuality	3
FAM SERV 1030 (31F:030)	Research Methods in Family Science	3
Or 3 hours of social science research methods such as:		
PSYCH 3002 (400:101)	Research Methods	
SW 3185 (450:185)	Social Work Research	
COMM COR 2020 (48C:080)	Communication Research Methods	
COMM 4021/5021 (48C:180g)	Quantitative Research Methods	
or SOC 2010 (980:108)	Research Methods	
Psychology:		
PSYCH 1001 (400:001)	Introduction to Psychology	3
Select three electives from the following:		9
Family Studies:		
FAM SERV 1010 (31F:010)	Human Identity and Relationships	
FAM SERV 2054 (31F:054)	Interpersonal Relationship Dynamics	
FAM SERV 2077 (31F:077)	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 (31F:145g)	Violence in Intimate Relationships	
FAM SERV 3150/5150 (31F:150g)	Families and Aging	
FAM SERV 3155/5155 (31F:155g)	Parenting	
FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias	
FAM SERV 3160/5160 (31F:160g)	Family Assessment and Intervention	
FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy	
FAM SERV 3175/5175	Family Financial Counseling and Literacy	
FAM SERV 3176/5176 (31F:177g)	Consumer Behavior Across the Lifespan	
FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis	
FAM SERV 4157/5157 (31F:157g)	Human Sexuality Education	
FAM SERV 4184/5184 (31F:184g)	Topics in Family Services	
FAM SERV 4198 (31F:198)	Independent Study in Family Services	
Total Hours		24

Gerontology Minor

Required:

PSYCH 1001 (400:001) Introduction to Psychology 3

Gerontology core: select two of the following: 6

School of Applied Human Sciences:

FAM SERV 3150/5150 Families and Aging *

Psychology:

PSYCH 3204/5204 Psychology of Aging *

Health Promotion and Education:

Sociology:

SOC 3035/5035 (980:125g) Social Gerontology *

Families and Aging core: (select one of the following) 3

FAM SERV 2077 (31F:077) Management of Family Resources

FAM SERV 3162/5162 Issues in Family Policy *

GERO 3161/5161 Families, Alzheimer's and Related Dementias

or FAM SERV 3161/5161 Families, Alzheimer's and Related Dementias

Development core: (select one of the following) 3

School of Applied Human Sciences:

FAM SERV 1055 (31F:055) Human Growth and Development *

Psychology:

PSYCH 2202 (400:120) Developmental Psychology *

Electives in Gerontology: select two of the following: 6

Communication Sciences and Disorders:

CSD 1000 (51C:006) Understanding Communication Disorders

Communication Studies:

COMM 4116/5116 Health Communication (48C:138g)

Health Promotion and Education:

HPE 4353/5353 (410:153g) Public Health Theory

School of Applied Human Sciences:

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 4198 (31G:198) Independent Study in Gerontology

INTDSGN 3129 (31I:129) Interior Design Standards

Social Work:

SW 4173/5173 (450:173g) Social Services for Older Adults *

Anthropology:

ANTH 3102/5102 (990:168g) Culture, Disease, and Healing *

ANTH 3202/5202 (990:152g) Human Biological Variation *

World Religions/Philosophy:

RELS/PHIL 3510/CAP 3173 Bio-Medical Ethics (CAP:173)

RELS/PHIL 3110/CAP 3194 Perspectives on Death and Dying (CAP:194)

Total Hours 21

* These courses have additional prerequisites as follows:
FAM SERV 3150/5150 (31F:150g) has prerequisites of FAM SERV 1020 (31F:020); FAM SERV 1055 (31F:055); PSYCH 2202 (400:120); and junior standing.
PSYCH 3204/5204 (400:173g) has prerequisites of PSYCH 1001 (400:001); junior standing. PSYCH 1001 (400:001) may be used to satisfy Category 5B of the Liberal Arts Core.
SOC 3035/5035 (980:125g) has prerequisite of *SOC 1000 (980:001)*. *SOC 1000 (980:001)* may be used to satisfy Category 5A of the Liberal Arts Core.
FAM SERV 3162/5162 (31F:162g) has prerequisite of FAM SERV 1020 (31F:020); a minimum grade of C in all prerequisite courses, and junior standing.
FAM SERV 1055 (31F:055) has prerequisite of *PSYCH 1001 (400:001)*. *PSYCH 1001 (400:001)* may be used to satisfy Category 5B of the Liberal Arts Core.
PSYCH 2202 (400:120) has prerequisite of *PSYCH 1001 (400:001)*. *PSYCH 1001 (400:001)* may be used to satisfy Category 5B of the Liberal Arts Core.
GERO 4170/5170 (31G:170g) has the following prerequisite: 2 of the following 4 courses - FAM SERV 3150/5150 (31F:150g), PSYCH 3204/5204 (400:173g), HPE 4125/5125 (410:125g), SOC 3035/5035 (980:125g).
SW 4173/5173 (450:173g) has prerequisite of SW 1041 (450:041). *SW 1041 (450:041)* may be used to satisfy Category 5C of the Liberal Arts Core.
ANTH 3202/5202 (990:152g) has prerequisite of *ANTH 1001 (990:010)* and junior standing. ANTH 1001 (990:010) may be used to satisfy Category 4A of the Liberal Arts Core.
ANTH 3102/5102 (990:168g) has prerequisite of ANTH 1002 (990:011) or SOC 1000 (980:001) and junior standing.

Textile and Apparel Minor

This minor is offered by the Textile and Apparel program housed in the School of Applied Human Sciences.

Required

Textile and Apparel:

TEXDSGN 1002 (31T:013) Textile Science 3

TEXDSGN 1003 (31T:012) Creative Textile and Apparel Design Foundations 3

TEXDSGN 1004 Fashion Culture and Industry 3

TEXDSGN 2007 (31T:014) Apparel Design and Evaluation 3

Electives from the following: 6

Textile and Apparel:

TEXDSGN 2004 (31T:116) History of Costume

TEXDSGN 2005 (31T:121) Fashion Promotion

TEXDSGN 2006 (31T:011) Computer Textile and Apparel Design Foundations

List of Programs by Department

TEXDSGN 3009 (31T:123)	Textile Structures	
TEXDSGN 3010 (31T:124)	Quality Assurance for Textile Materials	
TEXDSGN 3011 (31T:119)	Fashion Trend Analysis	
TEXDSGN 3012 (31T:122)	Fashion Design: Flat Pattern and Draping	
TEXDSGN 4015/5015 (31T:114g)	Dress and Human Behavior	
TEXDSGN 4016 (31T:115g)	Apparel Product Development and Merchandising	
TEXDSGN 4184/5184 (31T:184g)	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 www.grad.uni.edu/admission (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 51 semester hours** for the **non-thesis option**. *Students who do not have teacher licensure must take SPED 3150 (220:150) 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 (290:299) Research for either emphasis. **A minimum of 20 hours of 200/6000-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 4103/5103 (290:103g)	Introduction to Professional Counseling	3
COUN 4105/5105 (290:105g)	Counseling Skills	3

COUN 6220 (290:220)	Group Counseling Skills and Processes	3
COUN 6225 (290:225)	Facilitating Career Development	3
COUN 6226 (290:226)	Ethics, Supervision, Crisis and Consultation	3
COUN 6227 (290:227)	Counseling Theory	3
COUN 6228 (290:228)	Assessment Techniques in Counseling	3
COUN 6250 (290:250)	Family Counseling	3
COUN 6254 (290:254)	Counseling Children and Adolescents	3
COUN 6256 (290:256)	Multicultural Counseling	3
COUN 6262 (290:262)	Intervention and Prevention in Lifespan Development	3

Measurement and Research:

MEASRES 6205 (250:205)	Educational Research	3
Total core hours		36

One of the following emphases:

Clinical Mental Health Counseling Emphasis (24 hours):

Required emphasis hours:

Counseling:		
COUN 6205 (290:205)	Counseling Processes with Individuals and Systems	3
COUN 6241 (290:241)	Treatment Procedures in Mental Health Counseling	3
COUN 6290 (290:290)	Practicum in Counseling	3
COUN 6291 (290:291)	Internship	6
Psychology:		
PSYCH 3403/5403 (400:142g)	Abnormal Psychology	3
Electives:		
Total hours for Counseling: Clinical Mental Health Counseling non-thesis option (CACREP required 60 credits)		60

Additional requirement for thesis option:

COUN 6299 (290:299)	Research	6
Total hours for Counseling: Clinical Mental Health Counseling thesis option		66

School Counseling Emphasis (15 hours):

Required emphasis courses:

COUN 6210 (290:210)	Developing Comprehensive School Counseling Programs	3
COUN 6290 (290:290)	Practicum in Counseling	3
COUN 6291 (290:291)	Internship	6
Educational Psychology:		
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3

Total hours for Counseling: School Counseling Emphasis non-thesis option (CACREP required 48 credits)		51
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Additional requirement for thesis option:

COUN 6299 (290:299)	Research	6
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Total hours for Counseling: School Counseling Emphasis thesis option

57

Department of Art

(College of Humanities, Arts and Sciences)

www.uni.edu/art

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.

Undergraduate Majors (B.A.)

- Art-Studio Emphasis
- Art-Art History Emphasis
- Art Education-Teaching
- Graphic Design

Minors

- Art
- Art History

Graduate Major (M.A.)

- Art Education

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.

Art courses which fulfill an Art major requirement cannot be used to fulfill Category 3A of the Liberal Arts Core.

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 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3
Total Hours		18

Foundations Sequence for Art Studio minors:

ART 1011 (600:018)	Drawing I	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
or ARTHIST 1222 (600:041)	Survey of Art History II	
Total Hours		12

Foundations Sequence for Art History minors:

ART 1011 (600:018)	Drawing I	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
or ART 1333 (600:027)	Three-Dimensional Concepts	
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	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),

List of Programs by Department

- complete the B.F.A. Admission Application, and
- 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 130 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 130 hours.

Foundations Sequence

ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3

Studio Distribution *

Group 1: 2-D studio distribution (select two of the following)

ART 2030 (600:025)	Graphic Design I	
ART 2050 (600:080)	Painting I	
ART 2070 (600:032)	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	

Group 2: 3-D studio distribution (select two of the following)

ART 2020 (600:050)	Ceramics I	
ART 2060 (600:060)	Performance Art I	
ART 2090 (600:037)	Sculpture I	

Studio Distribution plus: choose one course from the following:

ART 3020 (600:161)	Ceramics II	
ART 3030 (600:125)	Graphic Design II	
ART 3050 (600:162)	Painting II	
ART 3060 (600:163)	Performance Art II	
ART 3070 (600:130)	Creative Photography II	
ART 3080 (600:134)	Printmaking II: Applications	
ART 3090 (600:137)	Sculpture II	

History of Art Distribution

Choose any three 4000-level ARTHIST courses.

B.F.A. courses

B.F.A. portfolio admission review

ART 4010/5010 (600:194g)	Professional Practices	3
ART 4300/5300 (600:192g)	Seminar: Critical Issues in Contemporary Art	3
ART 4400 (600:189)	B.F.A. Exhibition	0

Courses in Studio Concentration

Five courses in studio concentration

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 (600:196)	B.F.A. Project I	3
ART 4222 (600:197)	B.F.A. Project II	3

Art Electives **

Total Hours

* 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.

As a graduation requirement, each B.F.A. candidate must complete a concentration of no less than 21 semester hours 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.

The B.F.A. Exhibition ART 4400 (600:189) 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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Foundations Sequence

ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3

Studio Distribution *

Group 1: 2-D studio distribution (select one of the following)

ART 2030 (600:025)	Graphic Design I	
ART 2050 (600:080)	Painting I	
ART 2070 (600:032)	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	

Group 2: 3-D studio distribution (select one of the following)

ART 2020 (600:050)	Ceramics I	
ART 2060 (600:060)	Performance Art I	
ART 2090 (600:037)	Sculpture I	

Studio distribution plus choose one course from the following

ART 3020 (600:161)	Ceramics II	
ART 3030 (600:125)	Graphic Design II	
ART 3050 (600:162)	Painting II	
ART 3060 (600:163)	Performance Art II	
ART 3070 (600:130)	Creative Photography II	
ART 3080 (600:134)	Printmaking II: Applications	
ART 3090 (600:137)	Sculpture II	

Art History Distribution

Choose two courses from any 4000-level ARTHIST courses

Studio Concentration **

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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Foundations Sequence

ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3

Studio Distribution

Group 1: 2-D studio distribution (select one of the following)

ART 2030 (600:025)	Graphic Design I
ART 2050 (600:080)	Painting I
ART 2070 (600:032)	Creative Photography I: Digital Photography
ART 2080	Printmaking I: Strategies

Group 2: 3-D studio distribution (select one of the following)

ART 2020 (600:050)	Ceramics I
ART 2060 (600:060)	Performance Art I
ART 2090 (600:037)	Sculpture I

Art History Distribution

Group 1: Select one of the following:

ARTHIST 4002/5002 (600:139g)	Ancient Near Eastern Art
ARTHIST 4010/5010 (600:140g)	Ancient Egyptian Art
ARTHIST 4020/5020 (600:141g)	Ancient Greek Art
ARTHIST 4030/5030 (600:143g)	Ancient Roman Art
ARTHIST 4040/5040 (600:145g)	Medieval Art
ARTHIST 4900/5900 (600:155g)	Myth and Narrative in Art

Group 2: Select one of the following:

ARTHIST 4300/5300 (600:142g)	Italian Renaissance Art
ARTHIST 4302/5302 (600:148g)	Northern Renaissance Art

ARTHIST 4310/5310 (600:144g)	17th and 18th Century Art
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ARTHIST 4320/5320 (600:146g)	19th Century Western Art
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ARTHIST 4350/5350 (600:151g)	Early 20th Century Art
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ARTHIST 4362/5362 (600:152g)	Late 20th Century and Contemporary Art
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Art History in Non-Western Cultures

Select one of the following:

ARTHIST 4002/5002 (600:139g)	Ancient Near Eastern Art
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ARTHIST 4010/5010 (600:140g)	Ancient Egyptian Art
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ARTHIST 4608/5608	Arts of Africa
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ARTHIST 4000/5000 (600:138g)	Research Methods and Writing in Art History	3
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Art History Concentration

At least three courses from the aforementioned art history Group 1 or Group 2 *

Art History Electives

A minimum of two courses from the above listing of art history courses and/or:

ARTHIST 4322/5322 (600:153g)	History of Photography
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ARTHIST 4340/5340 (600:154g)	History of Design
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ARTHIST 4352/5352	History of Performance Art
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ARTHIST 4900/5900 (600:155g)	Myth and Narrative in Art
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ARTHIST 4999/5999 (600:191g)	Art History Seminar
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Total Hours	51
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- * Art history courses used to fulfill the art history distribution requirement cannot be used to fulfill requirements in the art history concentration.

Art Education Major-Teaching

The Art Education-Teaching major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements, to complete the minimum of 126 hours.

Foundations Sequence

ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3

Studio Distribution

Group 1: 2-D studio distribution (select two of the following)

ART 2030 (600:025)	Graphic Design I
ART 2050 (600:080)	Painting I

List of Programs by Department

ART 2070 (600:032)	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
Group 2: 3-D studio distribution (select two of the following)		
ART 2020 (600:050)	Ceramics I	
ART 2060 (600:060)	Performance Art I	
ART 2090 (600:037)	Sculpture I	
Art History Distribution		6
choose two courses from any 4000-level ARTHIST courses		
Professional Methods Courses *		
ARTED 2500 (600:091)	Foundations in Art Education	2
ARTED 2600 (600:092)	Methods in Elementary Art Education	3
ARTED 3505 (600:119)	Methods in Secondary Art Education	3
ARTED 4500 (600:121)	Issues and Theories in Art Education	2
Art Concentration **		6
Total Hours		52

* Completion of these courses will satisfy INSTTECH 1020 (240:020) 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 Liberal Arts Core requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Foundations Sequence		
ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3
Studio Distribution*		6
Group 1: 2-D studio distribution (select one of the following)		
ART 2050 (600:080)	Painting I	
ART 2070 (600:032)	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
Group 2: 3-D studio distribution (select one of the following)		
ART 2020 (600:050)	Ceramics I	
ART 2060 (600:060)	Performance Art I	
ART 2090 (600:037)	Sculpture I	

Studio distribution plus choose one course from the following		3
ART 3020 (600:161)	Ceramics II	
ART 3050 (600:162)	Painting II	
ART 3060 (600:163)	Performance Art II	
ART 3070 (600:130)	Creative Photography II	
ART 3080 (600:134)	Printmaking II: Applications	
ART 3090 (600:137)	Sculpture II	
Art History Distribution		6
choose two courses from any 4000-level ARTHIST courses.		
Art:		6
ART 2030 (600:025)	Graphic Design I	
ART 3030 (600:125)	Graphic Design II	
Graphic Design Concentration (select three courses from the following major electives):		9
ART 3031 (600:126)	Graphic Design: Identity System Design	
ART 3032 (600:128)	Graphic Design: Digital Image Design	
ART 3033 (600:129)	Graphic Design: Typography	
ART 3034 (600:127)	Graphic Design: Publication Design	
ART 3035 (600:182)	Graphic Design: Motion Graphics	
ART 3036 (600:181)	Graphic Design: Web and Interactive Design	
ART 3037 (600:183)	Graphic Design: Book Structures	
ART 3038 (600:184)	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 (600:018)	Drawing I	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
or ARTHIST 1222 (600:041)	Survey of Art History II	
Art Studio Electives (listed below)		9
ART 1022 (600:019)	Drawing II	
ART 2020 (600:050)	Ceramics I	
ART 2030 (600:025)	Graphic Design I	
ART 2050 (600:080)	Painting I	
ART 2060 (600:060)	Performance Art I	
ART 2070 (600:032)	Creative Photography I: Digital Photography	
ART 2080	Printmaking I: Strategies	
ART 2090 (600:037)	Sculpture I	
ART 3001 (600:118)	Drawing III	

ART 3011 (600:111)	Life Drawing	
ART 3020 (600:161)	Ceramics II	
ART 3030 (600:125)	Graphic Design II	
ART 3031 (600:126)	Graphic Design: Identity System Design	
ART 3033 (600:129)	Graphic Design: Typography	
ART 3034 (600:127)	Graphic Design: Publication Design	
ART 3050 (600:162)	Painting II	
ART 3055 (600:180)	Painting III	
ART 3060 (600:163)	Performance Art II	
ART 3066/5066 (600:173g)	Performance Art III	
ART 3070 (600:130)	Creative Photography II	
ART 3077 (600:131)	Creative Photography III	
ART 3078 (600:132)	Color Photography	
ART 3080 (600:134)	Printmaking II: Applications	
ART 3088 (600:174)	Printmaking III: Directions	
ART 3090 (600:137)	Sculpture II	
ART 3099 (600:177)	Sculpture III	
ART 4000 (600:175)	Undergraduate Studio	
Total Hours		21

Art History Minor

Foundations Art History

ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3

Foundations Studio

ART 1011 (600:018)	Drawing I	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
or ART 1333 (600:027)	Three-Dimensional Concepts	

Art History

Select three of the following:

ARTHIST 4000/5000 (600:138g)	Research Methods and Writing in Art History	
ARTHIST 4002/5002 (600:139g)	Ancient Near Eastern Art	
ARTHIST 4010/5010 (600:140g)	Ancient Egyptian Art	
ARTHIST 4020/5020 (600:141g)	Ancient Greek Art	
ARTHIST 4030/5030 (600:143g)	Ancient Roman Art	
ARTHIST 4040/5040 (600:145g)	Medieval Art	
ARTHIST 4300/5300 (600:142g)	Italian Renaissance Art	
ARTHIST 4302/5302 (600:148g)	Northern Renaissance Art	
ARTHIST 4310/5310 (600:144g)	17th and 18th Century Art	
ARTHIST 4320/5320 (600:146g)	19th Century Western Art	
ARTHIST 4322/5322 (600:153g)	History of Photography	

ARTHIST 4340/5340 (600:154g)	History of Design
ARTHIST 4350/5350 (600:151g)	Early 20th Century Art
ARTHIST 4352/5352	History of Performance Art
ARTHIST 4362/5362 (600:152g)	Late 20th Century and Contemporary Art
ARTHIST 4608/5608	Arts of Africa
ARTHIST 4900/5900 (600:155g)	Myth and Narrative in Art
ARTHIST 4999/5999 (600:191g)	Art History Seminar

Total Hours 21

Master of Arts Degree Programs

Major in Art Education

The MA in Art Education is offered by the Art Education 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 hours of credit 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 www.grad.uni.edu/admission
- 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 and sample of curricular material (sent electronically).

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 a minimum of 30 semester hours, including 3 hours of ART 6299 (Research). A minimum of 9 hours of ARTED 6500 (Seminar in Teaching Art)

List of Programs by Department

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 (600:295)	Seminar in Teaching Art	9
ART 6299 (600:299)	Research	3
Total Hours		30

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
- 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
- Combined B.A./M.S. or B.S./M.S. Program Biology
- Environmental Resource Management (also listed in Department of Geography, Department of Earth and Environmental Sciences and Department of Health, Recreation and Community Services)

Minors

- Biology
- Biology-Teaching

Graduate Major (M.S.)

- Biology

Graduate Majors (P.S.M.)

- Biotechnology
- Ecosystem Management

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 or advisor.

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 (840:051) General Biology: Organismal Diversity and BIOL 2052 (840:052) General Biology: Cell Structure and Function) and chemistry (CHEM 1110 (860:044) General Chemistry I and CHEM 1120 (860:048) General Chemistry II , or CHEM 1130 (860:070) General Chemistry I-II). Liberal Arts Core and/or math classes should be taken by students to complete their schedules.
3. 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. If a student drops a course after the first seven days of classes, in the subsequent semester they will only be allowed to register for that course after all advanced registration is completed.
6. To graduate from UNI with a biology major, 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. To graduate from UNI with a biology major, students must take at least four (4) hours of biology at the 4000 level 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 2.50 or higher, with a grade of C- (1.67) or higher in all courses that are applied to the minor.

Bachelor of Science Degree Program

Emphasis-Honors Research

Students invited to do Honors Research will complete 4 credit hours of BIOL 3190 (840:190) Undergraduate Research in Biology and 1 credit hour of BIOL 3191 (840:191) Senior Thesis.

Biology Major

The B.S. Biology major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 126 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 (840:051)	General Biology: Organismal Diversity
BIOL 2052 (840:052)	General Biology: Cell Structure and Function
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science **
BIOL 3140 (840:140)	Genetics **
Biology:	5-6
BIOL 3190 (840:190)	Undergraduate Research in Biology
BIOL 4157/5157 (840:157g)	Biostatistics
Cognate courses:	
Mathematics:	4
MATH 1420 (800:060)	Calculus I §
Chemistry and Biochemistry:	16
CHEM 1110 (860:044)	General Chemistry I
CHEM 1120 (860:048)	General Chemistry II ***
CHEM 2210 (860:120)	Organic Chemistry I
CHEM 2220 (860:123)	Organic Chemistry II
CHEM 2230 (860:121)	Organic Chemistry Laboratory
Physics:	8
PHYSICS 1511 (880:054)	General Physics I
PHYSICS 1512 (880:056)	General Physics II
Electives in Biology: ^, †	19-20
or	
MATH 1421 (800:061)	Calculus II
or	
CHEM 4510/5510 (860:154g)	Biochemistry I
Total hours	68

* At least 7-8 hours of BIOL 4xxx (excludes BIOL 4198) is required.

** BIOL 3100 (840:100) Evolution, Ecology and the Nature of Science and BIOL 3140 (840:140) Genetics are not required as prerequisites for 100/3000-level courses.

- *** Students with excellent preparation in chemistry may substitute CHEM 1130 (860:070) General Chemistry I-II plus 3 additional credit hours of biology electives for CHEM 1110 (860:044) General Chemistry I and CHEM 1120 (860:048) General Chemistry II.
- ^ Not more than four (4) semester hours of credit from BIOL 3185 (840:185) Readings in Biology, BIOL 3190 (840:190) Undergraduate Research in Biology and BIOL 4198 (840:198) Independent Study will be accepted for biology elective credit.
- † 100/3000-level or above, excluding BIOL 3101 (840:101) Anatomy and Physiology I.
- § Satisfactory score on ALEKS exam or subsequent remediation.

Environmental Science Major

The B.S. Environmental Science major 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.*

Required Core 32

BIOL 2051 (840:051)	General Biology: Organismal Diversity
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science **
CHEM 1110 (860:044)	General Chemistry I
CHEM 1120 (860:048)	General Chemistry II
EARTHSCI 1200 (870:021)	Elements of Weather
EARTHSCI 1300 (870:031)	Introduction to Geology
GEOG 3310 (970:164)	Geographic Information Systems I
MATH 1420 (800:060)	Calculus I
BIOL 3190 (840:190)	Undergraduate Research in Biology **
or EARTHSCI 4400 (870:180)	Undergraduate Research in Earth Science

Environmental Life Sciences Track 33

Required: 7

BIOL 4157/5157 (840:157g)	Biostatistics **
BIOL 4168/5168 (840:168g)	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 (840:105g)	Wildlife Ecology and Management **
BIOL 4108/5108	Biodiversity Conservation Policy **
BIOL 4167/5167 (840:167g)	Conservation Biology **

Category B - Content Biology Related Courses (select a minimum of 2 courses)

List of Programs by Department

BIOL 3112 (840:112)	Invertebrate Zoology
BIOL 3120 (840:120)	Plant Diversity and Evolution
BIOL 3170 (840:170)	Entomology
BIOL 4154/5154 (840:154g)	Aquatic Ecology
BIOL 4164/5164 (840:164g)	Mammalogy
BIOL 4166/5166 (840:166g)	Plant Systematics
BIOL 4180/5180 (840:180g)	Restoration Ecology

Category C - Cognates (select a minimum of 2 courses)

CHEM 2040	Applied Organic and Biochemistry
or CHEM 2210 (860:120)	Organic Chemistry I
EARTHSCI 1320 (870:035)	Earth History
EARTHSCI 3210/5210 (870:121g)	Meteorology
EARTHSCI 3230/5230 (870:123g)	Air Quality
EARTHSCI 3310/5310 (870:129g)	Structural Geology
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology
EARTHSCI 3330/5330 (870:141g)	Geomorphology
EARTHSCI 3340/5340 (870:165g)	Oceanography
EARTHSCI 3345/5345 (870:171g)	Environmental Geology
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology
EARTHSCI 3355/5355 (870:175g)	Hydrogeology
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3220 (970:100)	Environmental Geography
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments ^{**}
GEOG 4320/5320 (970:174g)	Geographic Information Systems II
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
MATH 1421 (800:061)	Calculus II

Environmental Earth Science Track 33

Required: 13

EARTHSCI 1400	Introduction to Environmental Earth Science
EARTHSCI 3230/5230 (870:123g)	Air Quality
EARTHSCI 3345/5345 (870:171g)	Environmental Geology
EARTHSCI 3350/5350 (870:173g)	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 (870:035)	Earth History
EARTHSCI 3210/5210 (870:121g)	Meteorology
EARTHSCI 3240/5240 (870:124g)	Air Quality Modeling
EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality ^{**}
EARTHSCI 3310/5310 (870:129g)	Structural Geology
EARTHSCI 3322	Earth Materials
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology
EARTHSCI 3327/5327	Paleoclimatology
EARTHSCI 3330/5330 (870:141g)	Geomorphology
EARTHSCI 3340/5340 (870:165g)	Oceanography
EARTHSCI 3355/5355 (870:175g)	Hydrogeology
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology

Category B - Cognates (select a minimum of 2 courses)

BIOL 3112 (840:112)	Invertebrate Zoology
BIOL 3120 (840:120)	Plant Diversity and Evolution
BIOL 3170 (840:170)	Entomology ^{**}
BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management ^{**}
BIOL 4108/5108	Biodiversity Conservation Policy ^{**}
BIOL 4154/5154 (840:154g)	Aquatic Ecology ^{**}
BIOL 4157/5157 (840:157g)	Biostatistics ^{**}
BIOL 4164/5164 (840:164g)	Mammalogy ^{**}
BIOL 4166/5166 (840:166g)	Plant Systematics ^{**}
BIOL 4167/5167 (840:167g)	Conservation Biology ^{**}
BIOL 4168/5168 (840:168g)	Ecology ^{**}
BIOL 4180/5180 (840:180g)	Restoration Ecology ^{**}
CHEM 2040	Applied Organic and Biochemistry
or CHEM 2210 (860:120)	Organic Chemistry I
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3220 (970:100)	Environmental Geography ^{**}
GEOG 4220/5220 (970:126g)	Soils and Landscapes ^{**}
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments ^{**}
GEOG 4320/5320 (970:174g)	Geographic Information Systems II
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment

MATH 1421 (800:061)	Calculus II
Total Hours	65

* 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:
 BIOL 3100 (840:100) has prerequisites of BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070).
 BIOL 3190 (840:190) has prerequisites of BIOL 2051 (840:051); BIOL 2052 (840:052).
 BIOL 4157/5157 (840:157g) has prerequisites of MATH 1140 (800:046), or MATH 1120 (800:056) and MATH 1130 (800:044), or MATH 1420 (800:060), or equivalent; BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4168/5168 (840:168g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4105/5105 (840:105g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4108/5108 has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4167/5167 (840:167g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031).
 EARTHSCI 3250/5250 (870:177g) has a prerequisites of EARTHSCI 1200 (870:021) and a prerequisite or corequisite of EARTHSCI 3230/5230 (870:123g).
 BIOL 3170 (840:170) has prerequisites of BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070).
 BIOL 4154/5154 (840:154g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4164/5164 (840:164g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4166/5166 (840:166g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4180/5180 (840:180g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 GEOG 4220/5220 (970:126g) has a prerequisite of EARTHSCI 1300 (870:031) or GEOG 1210 (970:026).
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031) or consent of instructor.

Bachelor of Arts Degree Programs

Emphasis-Honors Research

Students invited to do Honors Research will complete 4 credit hours of BIOL 3190 (840:190) Undergraduate Research in Biology and 1 credit hour of BIOL 3191 (840:191) Senior Thesis.

Biology Major

The B.A. Biology major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 (840:051)	General Biology: Organismal Diversity
BIOL 2052 (840:052)	General Biology: Cell Structure and Function
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science **
BIOL 3140 (840:140)	Genetics **

Cognate courses:

Mathematics: 4-5

Select one of the following:

MATH 1130 (800:044) & MATH 1120 (800:056)	Trigonometry and Mathematics for Biological Sciences
MATH 1140 (800:046)	Precalculus
MATH 1420 (800:060)	Calculus I

Chemistry and Biochemistry: *** 12-13

CHEM 1110 (860:044)	General Chemistry I
CHEM 1120 (860:048)	General Chemistry II
CHEM 2210 (860:120) & CHEM 2230 (860:121)	Organic Chemistry I and Organic Chemistry Laboratory
or CHEM 2040	Applied Organic and Biochemistry

Earth Science/Physics (select one of the following): 8

EARTHSCI 1300 (870:031) & EARTHSCI 1320 (870:035)	Introduction to Geology and Earth History
PHYSICS 1511 (880:054) & PHYSICS 1512 (880:056)	General Physics I and General Physics II

Electives in Biology: ^, † 17-19

CHEM 2220 (860:123)	Organic Chemistry II
CHEM 4510/5510 (860:154g)	Biochemistry I

Total hours 58

* At least 7-8 hours of BIOL 4xxx (excludes BIOL 4198) is required.

** BIOL 3100 (840:100) Evolution, Ecology and the Nature of Science and BIOL 3140 (840:140) Genetics are not required as prerequisites for 100/3000-level courses.

List of Programs by Department

***	Students with excellent preparation in chemistry may substitute CHEM 1130 (860:070) General Chemistry I-II plus 3 additional credit hours of biology electives for CHEM 1110 (860:044) General Chemistry I and CHEM 1120 (860:048) General Chemistry II.
^	Not more than four (4) semester hours of credit from BIOL 3185 (840:185) Readings in Biology, BIOL 3190 (840:190) Undergraduate Research in Biology and BIOL 4198 (840:198) Independent Study will be accepted for biology elective credit.
†	100/3000-level or above, excluding BIOL 3101 (840:101) Anatomy and Physiology I.

Biology Major: Biomedical Emphasis

The B.A. Biology Major: Biomedical Emphasis requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 (840:051)	General Biology: Organismal Diversity
BIOL 2052 (840:052)	General Biology: Cell Structure and Function
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science**
BIOL 3140 (840:140)	Genetics**
Anatomy group:	4
Select one of the following:	
BIOL 3106 (840:106)	Vertebrate Anatomy
BIOL 4146/5146 (840:146g)	Developmental Biology of Animals [^]
BIOL 4172/5172 (840:172g)	Developmental Plant Anatomy
Physiology group:	4
Select one of the following:	
BIOL 4114/5114 (840:114g)	Comparative Animal Physiology
BIOL 4122/5122 (840:122g)	Plant Physiology
BIOL 4137/5137 (840:138g)	Vertebrate Physiology
Cellular group:	4
Select one of the following:	
BIOL 4128/5128 (840:128g)	Cell Biology
BIOL 4146/5146 (840:146g)	Developmental Biology of Animals [^]
BIOL 4150/5150 (840:150g)	Immunology
Cognate courses:	

Mathematics:	4-5
Select one of the following:	
MATH 1140 (800:046)	Precalculus
MATH 1420 (800:060)	Calculus I
MATH 1130 (800:044) & MATH 1120 (800:056)	Trigonometry and Mathematics for Biological Sciences
Chemistry and Biochemistry:	16
CHEM 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II***
CHEM 2210 (860:120)	Organic Chemistry I
CHEM 2220 (860:123)	Organic Chemistry II
CHEM 2230 (860:121)	Organic Chemistry Laboratory
Physics:	8
PHYSICS 1511 (880:054)	General Physics I
PHYSICS 1512 (880:056)	General Physics II
Electives selected from the following (consult with advisor):	2-3
Biology:	
BIOL 3102 (840:102)	Anatomy and Physiology II
BIOL 3106 (840:106)	Vertebrate Anatomy
BIOL 3108 (840:108)	Vertebrate Histology
BIOL 3147 (840:147)	Cancer and Emerging Infectious Diseases
BIOL 3151 (840:151)	General Microbiology
BIOL 3160 (840:160)	Field Zoology of Vertebrates
BIOL 3170 (840:170)	Entomology
BIOL 3190 (840:190)	Undergraduate Research in Biology
BIOL 4114/5114 (840:114g)	Comparative Animal Physiology
BIOL 4116/5116 (840:116g)	Neurobiology
BIOL 4122/5122 (840:122g)	Plant Physiology
BIOL 4128/5128 (840:128g)	Cell Biology
BIOL 4131/5131 (840:131g)	Animal Behavior
BIOL 4137/5137 (840:138g)	Vertebrate Physiology
BIOL 4142/5142 (840:142g)	Evolutionary Biology
BIOL 4144/5144 (840:144g)	Virology
BIOL 4146/5146 (840:146g)	Developmental Biology of Animals
BIOL 4150/5150 (840:150g)	Immunology
BIOL 4152/5152	Microbial Molecular Biology
BIOL 4153/5153 (840:153g)	Recombinant DNA Techniques
BIOL 4157/5157 (840:157g)	Biostatistics
BIOL 4164/5164 (840:164g)	Mammalogy
BIOL 4168/5168 (840:168g)	Ecology
BIOL 4172/5172 (840:172g)	Developmental Plant Anatomy
Chemistry and Biochemistry:	
CHEM 4510/5510 (860:154g)	Biochemistry I
Total hours	58

* At least 7-8 hours of BIOL 4xxx (excludes BIOL 4198) is required.

- ** BIOL 3100 (840:100) Evolution, Ecology and the Nature of Science and BIOL 3140 (840:140) Genetics are not required as prerequisites for 100/3000-level courses.
- *** Students with excellent preparation in chemistry may substitute CHEM 1130 (860:070) General Chemistry I-II plus 3 additional credit hours of biology electives for CHEM 1110 (860:044) General Chemistry I and CHEM 1120 (860:048) General Chemistry II.
- ^ BIOL 4146/5146 (840:146g) Developmental Biology of Animals cannot satisfy both requirements.

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 Liberal Arts Core 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. With the guidance of a faculty advisor, students who wish to specialize further may follow one of four separate tracks: Ecology, Applied Ecology, Plant Sciences, or Zoology. 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 (840:051)	General Biology: Organismal Diversity
BIOL 2052 (840:052)	General Biology: Cell Structure and Function
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science **
BIOL 3140 (840:140)	Genetics **

Cognate courses:

Mathematics: 4-5

Select one of the following:

MATH 1140 (800:046)	Precalculus
MATH 1420 (800:060)	Calculus I
MATH 1130 (800:044) & MATH 1120 (800:056)	Trigonometry and Mathematics for Biological Sciences

Chemistry and Biochemistry: 12-13

CHEM 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II ***
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Select one of the following:

CHEM 2040	Applied Organic and Biochemistry
CHEM 2210 (860:120) & CHEM 2230 (860:121)	Organic Chemistry I and Organic Chemistry Laboratory

Physical Science 4

EARTHSCI 1300 (870:031) or PHYSICS 1511 (880:054)	Introduction to Geology General Physics I
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Electives: select from the following (consult with advisor): 21-23

Biology: ^

BIOL 3106 (840:106)	Vertebrate Anatomy
BIOL 3107	Environmental Physiology
BIOL 3112 (840:112)	Invertebrate Zoology
BIOL 3118	Marine Biology
BIOL 3120 (840:120)	Plant Diversity and Evolution
BIOL 3160 (840:160)	Field Zoology of Vertebrates
BIOL 3170 (840:170)	Entomology
BIOL 3174 (840:174)	Field Biology: _____
BIOL 3185 (840:185)	Readings in Biology
BIOL 3190 (840:190)	Undergraduate Research in Biology

BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management
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BIOL 4108/5108	Biodiversity Conservation Policy
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BIOL 4114/5114 (840:114g)	Comparative Animal Physiology
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BIOL 4122/5122 (840:122g)	Plant Physiology
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BIOL 4131/5131 (840:131g)	Animal Behavior
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BIOL 4137/5137 (840:138g)	Vertebrate Physiology
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BIOL 4142/5142 (840:142g)	Evolutionary Biology
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BIOL 4146/5146 (840:146g)	Developmental Biology of Animals
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BIOL 4154/5154 (840:154g)	Aquatic Ecology
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BIOL 4157/5157 (840:157g)	Biostatistics
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BIOL 4164/5164 (840:164g)	Mammalogy
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BIOL 4166/5166 (840:166g)	Plant Systematics
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BIOL 4167/5167 (840:167g)	Conservation Biology
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BIOL 4168/5168 (840:168g)	Ecology
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BIOL 4172/5172 (840:172g)	Developmental Plant Anatomy
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BIOL 4180/5180 (840:180g)	Restoration Ecology
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BIOL 4198 (840:198)	Independent Study
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Earth Science/Geography:

Select one of the following:

EARTHSCI 3328 (870:125)	Fossils and Evolution
GEOG 3310 (970:164)	Geographic Information Systems I

GEOG 4220/5220 (970:126g)	Soils and Landscapes
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Total hours 58

* At least 7-8 hours of BIOL 4xxx (excludes BIOL 4198) is required.

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- ** BIOL 3100 (840:100) Evolution, Ecology and the Nature of Science and BIOL 3140 (840:140) Genetics are not required as prerequisites for 100/3000-level courses.
- *** Students with excellent preparation in chemistry may substitute *CHEM 1130 (860:070) General Chemistry I-II* plus 3 additional credit hours of biology electives for CHEM 1110 (860:044) General Chemistry I and CHEM 1120 (860:048) General Chemistry II.
- ^ Not more than four (4) semester hours of credit from BIOL 3185 (840:185) Readings in Biology, BIOL 3190 (840:190) Undergraduate Research in Biology and BIOL 4198 (840:198) Independent Study will be accepted for biology elective credit.

Biology Major-Teaching (*Extended Program*)

The B.A. Biology-Teaching major requires a minimum of 131 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 131 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.

Required: *

Introductory track:	15
BIOL 2051 (840:051)	General Biology: Organismal Diversity
BIOL 2052 (840:052)	General Biology: Cell Structure and Function
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science **
BIOL 3140 (840:140)	Genetics **
Evolutionary Biology:	3
BIOL 4142/5142 (840:142g)	Evolutionary Biology
Plant group:	4
Select one of the following:	
BIOL 3120 (840:120)	Plant Diversity and Evolution
BIOL 4122/5122 (840:122g)	Plant Physiology
BIOL 4166/5166 (840:166g)	Plant Systematics
BIOL 4172/5172 (840:172g)	Developmental Plant Anatomy
Animal group:	4
Select one of the following:	
BIOL 3102 (840:102)	Anatomy and Physiology II ***
BIOL 3106 (840:106)	Vertebrate Anatomy
BIOL 4114/5114 (840:114g)	Comparative Animal Physiology
BIOL 4146/5146 (840:146g)	Developmental Biology of Animals
Cellular group:	4
Select one of the following:	
BIOL 3151 (840:151)	General Microbiology
BIOL 4128/5128 (840:128g)	Cell Biology

Cognate courses:

Chemistry and Biochemistry:	12
CHEM 2040	Applied Organic and Biochemistry
CHEM 1110 (860:044)	General Chemistry I
CHEM 1120 (860:048)	General Chemistry II ^
Earth Science:	4
EARTHSCI 1320 (870:035)	Earth History
Physics:	4
PHYSICS 1511 (880:054)	General Physics I
Methods:	
Science and Science Education:	4
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching
Teaching:	1
TEACHING 3129	Secondary and Special-Area Classroom Management
Biology:	4
BIOL 3197 (840:197)	Undergraduate Practicum in Biology Teaching
BIOL 4193/5193 (840:193g)	Methods for Teaching Life Science
Electives in Biology: †	4
Total Hours	63

* At least 7-8 hours of BIOL 4xxx (excludes BIOL 4198) is required.

** BIOL 3100 (840:100) Evolution, Ecology and the Nature of Science and BIOL 3140 (840:140) Genetics are not required as prerequisites for 100/3000-level courses.

*** Students who take BIOL 3101 (840:101) Anatomy and Physiology I will receive university elective credit. BIOL 3102 (840:102) Anatomy and Physiology II will fulfill the Animal Group requirement. BIOL 3102 (840:102) 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 (860:070) General Chemistry I-II plus 3 additional credit hours of biology or chemistry electives for CHEM 1110 (860:044) General Chemistry I and CHEM 1120 (860:048) General Chemistry II.

† Not more than four (4) semester hours of credit from BIOL 3185 (840:185) Readings in Biology, BIOL 3190 (840:190) Undergraduate Research in Biology, and BIOL 4198 (840:198) Independent Study will be accepted for biology elective credit.

Combined B.A./M.S. or B.S./M.S. Program Biology

The B.A./M.S. or B.S./M.S. degree program is a five-year program offered on the **thesis** option only, leading to both the B.A./B.S. and M.S. degrees in biology. This program prepares students for doctoral graduate studies in biology and it provides training for work as a biologist in academic, industrial, and government laboratories. Students interested in this program can declare their intent by the

List of Programs by Department

end of the junior year, provided they have an overall grade point average (GPA) of 3.00 or above. An Application for Admission to Graduate Study should be completed and the student's interest in the Combined B.A./M.S. or B.S./M.S. Program in Biology indicated on the application itself. Graduate information and an application for graduate admission can be found at www.grad.uni.edu/admission.

Once admitted to the program, undergraduate 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). See policies and procedures for Graduate Credit for Undergraduate Students. Actual admission to graduate study and classification as a graduate student commences the term after the student has completed the baccalaureate.

Refer to the M.S. Biology Major for program requirements.

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 KAHHS 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.*
- *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 (840:051)	General Biology: Organismal Diversity	4
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science*	3
CHEM 1110 (860:044)	General Chemistry I	4
EARTHSCI 1300 (870:031)	Introduction to Geology	4
or		
GEOG 1210 (970:026) & GEOG 1211	Physical Geography and Physical Geography Laboratory	

EARTHSCI 3330/5330 (870:141g)	Geomorphology	4
GEOG 4260	Environmental Resource Management	3
GEOG 3310 (970:164)	Geographic Information Systems I	3
LYHS 4055 (430:151)	Financial Resource Management for LYHS Agencies	3
HISUS 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 (840:052) and CHEM 1120 (860:048) prerequisites for enrollment into BIOL 3100 (840:100).

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Dept. 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 (Dept. 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 (840:168g)	Ecology**	4
CHEM 1120 (860:048)	General Chemistry II	4
MATH 1140 (800:046)	Precalculus	4
Electives:		20

Category A - Content Management Related Courses (pick at least 1 course)

BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management**	
BIOL 4108/5108	Biodiversity Conservation Policy**	
BIOL 4167/5167 (840:167g)	Conservation Biology**	
BIOL 4180/5180 (840:180g)	Restoration Ecology**	

Category B - Content Related Courses (pick at least 1 course)

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BIOL 3112 (840:112)	Invertebrate Zoology *
BIOL 3118	Marine Biology *
BIOL 3170 (840:170)	Entomology *
BIOL 4154/5154 (840:154g)	Aquatic Ecology **
BIOL 4157/5157 (840:157g)	Biostatistics **
BIOL 4164/5164 (840:164g)	Mammalogy **
BIOL 4166/5166 (840:166g)	Plant Systematics **
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 4320/5320 (970:174g)	Geographic Information Systems II

Category C - Cognates (pick at least 1 course)

EARTHSCI 1200 (870:021)	Elements of Weather
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers ^
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography ^
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments ^
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
LYHS/HISUS 4556	History of Outdoor Recreation
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
MGMT 3183	Leadership Skills ^
MGMT 3185	Project Management ^
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion

Total Hours 32

* For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 (840:052) and CHEM 1120 (860:048) for BIOL 3000-level courses.

** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4000-level courses.

^ These courses have additional prerequisites as follows:
 ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077) and one of the following - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g) or consent of instructor; junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031); or consent of instructor; junior standing.
 MGMT 3183 and MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 3350/5350 (870:173g)	Environmental Hydrology ^
EARTHSCI 3322	Earth Materials ^
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography * ^
or	
EARTHSCI 3345/5345 (870:171g)	Environmental Geology ***
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4210/5210 (970:127g)	Climatology
or EARTHSCI 1200 (870:021)	Elements of Weather
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment

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LYHS 2335 (430:060)	Principles of Nonprofit Organizations
Secondary Focus - Management Cognates	
BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management **
BIOL 4180/5180 (840:180g)	Restoration Ecology **
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology ****
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology
ECON 3225/5225 (920:123g)	Environmental Economics ^
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers ^
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments *
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic) ^
GEOG 4320/5320 (970:174g)	Geographic Information Systems II ^
LYHS 4556/5556 or HISUS 4556/5556	History of Outdoor Recreation
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism #
MGMT 3185	Project Management ^
POL AMER 3172/5172 (942:172)	Public Budgeting ^
BIOL 3179 (840:179) or GEOG 3179 (970:179)	Cooperative Education ^
	Cooperative Education in Geography
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion
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 (970:026) and GEOG 1211 or EARTHSCI 1300 (870:031) as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 (970:170g) and GEOG 4320/5320 (970:174g).

** The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4105/5105 (840:105g) and BIOL 4180/5180 (840:180g).

*** The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as substitutes for courses that require EARTHSCI 1300 (870:031).

**** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).

The Department of Health, Recreation and Community Services will waive LYHS 2770 (430:070) as a prerequisite for LYHS 4776/5776 (430:170g).

^ These courses have additional prerequisites as follows: EARTHSCI 3322 has a prerequisite of EARTHSCI 1300 (870:031). EARTHSCI 3350/5350 (870:173g) has prerequisites of EARTHSCI 1300 (870:031); junior standing. GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor. ECON 3225/5225 (920:123g) has prerequisites of ECON 1041 (920:053), ECON 1051 (920:054); junior standing. ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing. GEOG 4310/5310 (970:170g) has prerequisites of GEOG 3310 (970:164); junior standing. GEOG 4320/5320 (970:174g) has prerequisites of GEOG 3310 (970:164) or consent of instructor; junior standing. MGMT 3185 has a prerequisite of MGMT 3153 (150:153). POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048). GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department. LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184). HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 (970:028)	Recent Climate Change	
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning	

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GEOG 3210 (970:137)	Natural Hazards and Disasters
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations
LYHS 2335 (430:060)	Principles of Nonprofit Organizations
LYHS 3337 (430:154)	Human Resource Development for Leisure, Youth and Human Services
LYHS 4115/5115 (430:168g)	Areas and Facilities for Leisure, Youth and Human Services **
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment
LYHS/HISUS 4556	History of Outdoor Recreation
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism ^
Secondary Focus - Cognates 9	
BIOL 4167/5167 (840:167g)	Conservation Biology **
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 4320/5320 (970:174g)	Geographic Information Systems II
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication ^
or ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers
HPE 4665/5665 (410:165g)	Environmental Health Science
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4552/5552 (430:130g)	Theory and Practice of Experiential Education
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
LYHS 4779/5779 (430:138g)	Community Planning Workshop
MGMT 3185	Project Management ^
POL AMER 3172/5172 (942:172)	Public Budgeting ^
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion

Other courses as approved by advisors and program director		Total Hours	30
*	* The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4167/5167 (840:167g).		
**	** The Geography Department and the Department of Health, Recreation and Community Services will waive LYHS 3060 (430:110) as a prerequisite for enrollment into LYHS 4115/5115 (430:168g).		
^	^ These courses have additional prerequisites as follows: LYHS 4776/5776 (430:170g) has prerequisites of LYHS 2770 (430:070) or consent of instructor; junior standing. ENGLISH 4775/5775 (620:105g) has prerequisites of MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing. ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing. MGMT 3185 has a prerequisite of MGMT 3153 (150:153). POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048). GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department. LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184). HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
ECON 3225/5225 (920:123g)	Environmental Economics	3
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3

Primary Focus - Content Related Courses 10

EARTHSCI 1200 (870:021)	Elements of Weather
EARTHSCI 1400	Introduction to Environmental Earth Science
EARTHSCI 3230/5230 (870:123g)	Air Quality ^
EARTHSCI 3345/5345 (870:171g)	Environmental Geology *

List of Programs by Department

or	
GEOG 3220 (970:100)	Environmental Geography
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology *
Secondary Focus - Cognates	
EARTHSCI 3240/5240 (870:124g)	Air Quality Modeling ^
EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality ** ^
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology ***
EARTHSCI 3355/5355 (870:175g)	Hydrogeology *
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
HPE 4665/5665 (410:165g)	Environmental Health Science
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment
MGMT 3153 (150:153)	Organizational Management *
MGMT 3185	Project Management ^
POL AMER 1048 (942:048)	Introduction to Public Administration
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion
Other courses as approved by advisors and program director	
Total Hours	32

* * The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as a substitute for courses that require EARTHSCI 1300 (870:031).

** ** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 (870:123g) as a prerequisite for enrollment into EARTHSCI 3240/5240 (870:124g) and EARTHSCI 3250/5250 (870:177g).

*** ** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).

^ These courses have additional prerequisites as follows:
 EARTHSCI 3230/5230 (870:123g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 EARTHSCI 3240/5240 (870:124g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
 EARTHSCI 3250/5250 (870:177g) has prerequisites of EARTHSCI 1200 (870:021); junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230 (870:123g).
 MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent of Health Promotion and Education Coordinator of Student Field Experiences.

Minors

Biology Minor

Required:

Introductory track:	8
BIOL 2051 (840:051)	General Biology: Organismal Diversity
BIOL 2052 (840:052)	General Biology: Cell Structure and Function
Chemistry and Biochemistry:	8
CHEM 1110 (860:044) & CHEM 1120 (860:048)	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 (860:070) General Chemistry I-II plus 3 additional credit hours of biology electives for CHEM 1110 (860:044) General Chemistry I and CHEM 1120 (860:048) General Chemistry II.

** 100/3000/4000-level, excluding BIOL 3101 (840:101) Anatomy and Physiology I, BIOL 3179 (840:179) Cooperative Education, BIOL 3185 (840:185) Readings in Biology, BIOL 3190 (840:190) Undergraduate Research in Biology, and BIOL 4198 (840:198) 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.

Required:

Introductory track:	15
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List of Programs by Department

BIOL 2051 (840:051)	General Biology: Organismal Diversity	
BIOL 2052 (840:052)	General Biology: Cell Structure and Function	
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science*	
BIOL 3140 (840:140)	Genetics*	
Chemistry and Biochemistry:		8
CHEM 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II**	
Methods:		
Science and Science Education:		4
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	
Teaching:		1
TEACHING 3129	Secondary and Special-Area Classroom Management	
Biology:		3
BIOL 4193/5193 (840:193g)	Methods for Teaching Life Science	
Total Hours		31

* BIOL 3100 (840:100) Evolution, Ecology and the Nature of Science and BIOL 3140 (840:140) Genetics are not required as prerequisites for 100/3000-level courses.

** Students with excellent preparation in chemistry may substitute *CHEM 1130 (860:070) General Chemistry I-II* plus 3 additional credit hours of biology electives for CHEM 1110 (860:044) General Chemistry I and CHEM 1120 (860:048) 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 www.grad.uni.edu/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 **thesis** option only. A **minimum of 32 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 200/6000-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:

200/6000-level Biology courses:		6
Take one course in at least two of the content areas (prerequisites vary)**		
Biology:		5
BIOL 6202 (840:202)	Graduate Colloquium (1 hr. each semester for four semesters)	
BIOL 6292 (840:292)	Research Methods in Biology (1 hr.)	
Research:		9
BIOL 6299 (840:299)	Research	
Electives: *		12
Total Hours		32

* 100g/5000-level or above, excluding BIOL 6299 (840:299) Research.

** Content Areas:
I. BIOL 6240 (840:240) Advanced Cellular and Molecular Biology
II. BIOL 6250 (840:250) Advanced Physiology and Development
III. BIOL 6260 (840:260) Advanced Ecology
IV. BIOL 6270 (840:270) Advanced Systematics and Evolutionary Biology

Professional Science Master's Degree Programs

Major in Biotechnology

This P.S.M. degree prepares students for career opportunities in biotechnology-related businesses and industries. Emphasis is placed on combining molecular and genetic engineering skills with an understanding of business and the degree includes an internship experience. Admission is restricted to students with a GPA of 3.00 or higher and a B.A. or B.S. in Biotechnology, Biology, Biochemistry or a related discipline. Students must have taken an Introductory General Biology sequence, Genetics and one or more courses in Molecular Biology or equivalents to be considered.

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 Biology for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/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. A **minimum of 30 semester hours** is required. A **minimum of 12 semester hours of 200/6000-level course work is required.**

SUSPENDING PROGRAM. NO ADMITS HAVE BEEN ACCEPTED SINCE FALL 2014.

Required:

Biology:		
BIOL 4153/5153 (840:153g)	Recombinant DNA Techniques	4
BIOL 6215	Advanced Molecular Cloning	3
BIOL 6240 (840:240)	Advanced Cellular and Molecular Biology	3
BIOL 6280 (840:280)	Advanced Analytical Techniques	2
Science and Science Education:		5-7
PSM 6289 (820:289)	Professional Science Master's Seminar (1 hr.)	
PSM 6950 (820:295)	Professional Science Master's Internship (4-6 hrs.)	
Business and Marketing:		
Business fundamentals course (approved by advisor)		3
MKTG 3586/5586 (130:175g)	Entrepreneurial Strategy	3
Electives (must be 100g/5000-level or above):		5-7
Select from the following or other graduate level courses as approved by advisor:		

Biology:

BIOL 4121/5121 (840:121g)	Plant Biotechnology	
BIOL 4122/5122 (840:122g)	Plant Physiology	
BIOL 4127/5127 (840:127g)	Bioinformatics Applications for Biology	
BIOL 4128/5128 (840:128g)	Cell Biology	
BIOL 4129/5129 (840:129g)	Genomics and Proteomics	
BIOL 4144/5144 (840:144g)	Virology	
BIOL 4146/5146 (840:146g)	Developmental Biology of Animals	
BIOL 4150/5150 (840:150g)	Immunology	
BIOL 4157/5157 (840:157g)	Biostatistics	
or STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research	
BIOL 6299 (840:299)	Research (1-2 hrs.)	

Chemistry and Biochemistry:

CHEM 4510/5510 (860:154g)	Biochemistry I	
CHEM 4520/5520 (860:155g)	Biochemistry II	
CHEM 4530/5530 (860:156g)	Biochemistry Laboratory	

Total Hours 30

Major in Ecosystem Management

This P.S.M. degree prepares students for career opportunities in conservation and restoration-related businesses, government agencies, and nonprofit organizations. Emphasis is placed on blending ecosystem analysis, management and restoration skills with an

understanding of conservation policy, and the degree includes a team project and an internship experience. Admission is restricted to students with a GPA of 3.00 or higher and a B.A. or B.S. in Biology, Ecology or related field. Majors in Agriculture, Geography and other related applied disciplines must take or have taken an introductory biology sequence to be considered.

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 Biology for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/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. A **minimum of 30 semester hours** is required. A **minimum of 15 semester hours of 200/6000-level course work is required.**

SUSPENDING PROGRAM. NO ADMITS HAVE BEEN ACCEPTED SINCE FALL 2014.

Required:

Biology:		
BIOL 4108/5108	Biodiversity Conservation Policy	3
BIOL 4166/5166 (840:166g)	Plant Systematics	4
BIOL 4180/5180 (840:180g)	Restoration Ecology	4
BIOL 6260 (840:260)	Advanced Ecology	3
Science and Science Education:		
PSM 6100 (820:209)	Business Management for Science Professionals	3
PSM 6300 (820:215)	Team-Based Problem Solving	3
PSM 6289 (820:289)	Professional Science Master's Seminar	2
PSM 6950 (820:295)	Professional Science Master's Internship	4
Electives (must be 100g/5000-level or above):		4
Select from the following or other graduate level courses as approved by advisor.		

Biology:

BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management	
BIOL 4131/5131 (840:131g)	Animal Behavior	
BIOL 4142/5142 (840:142g)	Evolutionary Biology	
BIOL 4154/5154 (840:154g)	Aquatic Ecology	
BIOL 4157/5157 (840:157g)	Biostatistics	
or STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research	
BIOL 4164/5164 (840:164g)	Mammalogy	
BIOL 4167/5167 (840:167g)	Conservation Biology	

Earth Science:

List of Programs by Department

EARTHSCI 3330/5330 (870:141g)	Geomorphology
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology
EARTHSCI 3355/5355 (870:175g)	Hydrogeology
Geography:	
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4350/5350 (970:175g)	Global Positioning System Field Survey Methods
Iowa Lakeside Laboratory: **	
IA LL 3103/5103 (890:103g)	Aquatic Ecology
IA LL 3121/5121 (890:121g)	Plant Ecology
IA LL 3122/5122 (890:122g)	Prairie Ecology
IA LL 3124/5124 (890:124g)	Wetland Ecology
IA LL 3126/5126 (890:126g)	Ornithology
IA LL 3142/5142 (890:142g)	Watershed Hydrology and Surficial Processes
IA LL 3175/5175 (890:175g)	Soil Formation & Landscape Relationships

Total Hours 30

** Students can take no more than 4 credit hours of Iowa Lakeside Laboratory (IA LL/890) courses.

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
- Chemistry

Undergraduate Majors (B.A.)

- Biochemistry
- Chemistry
- Chemistry-Teaching

Minors

- Chemistry

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 (860:044) and CHEM 1120 (860:048), in the freshman year. Well-prepared students may be permitted to take CHEM 1130 (860:070), 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.

Bachelor of Science Degree Programs

Biochemistry Major

The B.S. Biochemistry major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 126 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 (800:060)	Calculus I *	4
MATH 1421 (800:061)	Calculus II	4
Biology:		
BIOL 2052 (840:052)	General Biology: Cell Structure and Function	4
BIOL 3140 (840:140)	Genetics	4
Chemistry and Biochemistry:		
CHEM 1120 (860:048) & CHEM 1110 (860:044) or CHEM 1130 (860:070)	General Chemistry II and General Chemistry I (*)	5-8
CHEM 2110 (860:110)	Descriptive Inorganic Chemistry	4
CHEM 2210 (860:120)	Organic Chemistry I	3
CHEM 2220 (860:123)	Organic Chemistry II	3
CHEM 2230 (860:121)	Organic Chemistry Laboratory	2
CHEM 2310 (860:132)	Chromatography and Quantitative Analysis	4
CHEM 3600 (860:180)	Undergraduate Research in Chemistry	2
CHEM 4010/5010	Chemical Safety Seminar	1
CHEM 4220/5220 (860:161g) or CHEM 4310/5310 (860:137g)	Organic Structure Analysis Instrumental Analysis	3-4
CHEM 4420/5420 (860:140g)	Physical Chemistry I	3

List of Programs by Department

CHEM 4430/5430 (860:141g)	Physical Chemistry II	3
CHEM 4440/5440 (860:143g)	Physical Chemistry Laboratory	2
CHEM 4510/5510 (860:154g)	Biochemistry I	3
CHEM 4520/5520 (860:155g)	Biochemistry II	3
CHEM 4530/5530 (860:156g)	Biochemistry Laboratory	2
Physics:		
Select one of the following:		8
PHYSICS 1511 (880:054) & PHYSICS 1512 (880:056)	General Physics I and General Physics II	
OR		
PHYSICS 1701 (880:130) & PHYSICS 1702 (880:131)	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		71-74

* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

** Students taking the 3 hour course CHEM 4220/5220 (860:161g) Organic Structure Analysis as an alternative to the 4 hour course CHEM 4310/5310 (860:137g) Instrumental Analysis are required to take a 4 hour elective that includes a lab component.

Chemistry Major

The B.S. Chemistry major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 126 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 (800:060)	Calculus I *	4
MATH 1421 (800:061)	Calculus II	4
Chemistry and Biochemistry:		
CHEM 1120 (860:048) & CHEM 1110 (860:044) or CHEM 1130 (860:070)	General Chemistry II and General Chemistry I (*) General Chemistry I-II	5-8
CHEM 2110 (860:110)	Descriptive Inorganic Chemistry	4
CHEM 2210 (860:120)	Organic Chemistry I	3
CHEM 2220 (860:123)	Organic Chemistry II	3
CHEM 2230 (860:121)	Organic Chemistry Laboratory	2
CHEM 2310 (860:132)	Chromatography and Quantitative Analysis	4
CHEM 3600 (860:180)	Undergraduate Research in Chemistry	2
CHEM 4010/5010	Chemical Safety Seminar	1

CHEM 4110/5110 (860:145g)	Inorganic Chemistry	3
CHEM 4310/5310 (860:137g)	Instrumental Analysis	4
CHEM 4420/5420 (860:140g)	Physical Chemistry I	3
CHEM 4430/5430 (860:141g)	Physical Chemistry II	3
CHEM 4440/5440 (860:143g)	Physical Chemistry Laboratory	2
CHEM 4510/5510 (860:154g)	Biochemistry I	3
CHEM 4610/5610 (860:149g)	Advanced Synthesis Laboratory	2
Physics:		8
PHYSICS 1701 (880:130) & PHYSICS 1702 (880:131)	Physics I for Science and Engineering and Physics II for Science and Engineering	
or		
PHYSICS 1512 (880:056) & PHYSICS 1511 (880:054)	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.

Notes:

1. To satisfy American Chemical Society guidelines for certification of the Chemistry major, the two hours of CHEM 3600 (860:180) Undergraduate Research required for this program must include completion of a final written report.
2. Elective courses 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 (860:145g) , CHEM 4610/5610 (860:149g) , and CHEM 4510/5510 (860:154g), but must include three additional elective hours in chemistry at the 100/4000-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 (860:180) 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 Liberal Arts Core 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

List of Programs by Department

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 (800:060)	Calculus I *	4
Biology:		
BIOL 2052 (840:052)	General Biology: Cell Structure and Function	4
BIOL 3140 (840:140)	Genetics	4
Chemistry and Biochemistry:		
CHEM 1120 (860:048) & CHEM 1110 (860:044) or CHEM 1130 (860:070)	General Chemistry II and General Chemistry I (*)	5-8
CHEM 2110 (860:110)	Descriptive Inorganic Chemistry	4
or CHEM 2310 (860:132)	Chromatography and Quantitative Analysis	
CHEM 2210 (860:120)	Organic Chemistry I	3
CHEM 2220 (860:123)	Organic Chemistry II	3
CHEM 2230 (860:121)	Organic Chemistry Laboratory	2
CHEM 4010/5010	Chemical Safety Seminar	1
CHEM 4420/5420 (860:140g)	Physical Chemistry I	3
CHEM 4510/5510 (860:154g)	Biochemistry I	3
CHEM 4520/5520 (860:155g)	Biochemistry II	3
CHEM 4530/5530 (860:156g)	Biochemistry Laboratory	2
Physics:		
PHYSICS 1511 (880:054) & PHYSICS 1512 (880:056) or PHYSICS 1701 (880:130) & PHYSICS 1702 (880:131)	General Physics I and General Physics II Physics I for Science and Engineering and Physics II for Science and Engineering	8
Electives		3-4
One 3000-level or higher content course in biology, biochemistry, or chemistry		
Total Hours		52-56

* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

Notes:

- To satisfy American Chemical Society guidelines for certification of the Biochemistry major, the two hours of CHEM 3600 (860:180) Undergraduate Research required for this program must include completion of a final written report.

Chemistry Major

The B.A. Chemistry major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 (800:060)	Calculus I *	4
MATH 1421 (800:061)	Calculus II	4
Chemistry and Biochemistry:		
CHEM 1120 (860:048) & CHEM 1110 (860:044) or CHEM 1130 (860:070)	General Chemistry II and General Chemistry I (*)	5-8
CHEM 2110 (860:110)	Descriptive Inorganic Chemistry	4
CHEM 2210 (860:120)	Organic Chemistry I	3
CHEM 2220 (860:123)	Organic Chemistry II	3
CHEM 2230 (860:121)	Organic Chemistry Laboratory	2
CHEM 2310 (860:132)	Chromatography and Quantitative Analysis	4
CHEM 4010/5010	Chemical Safety Seminar	1
CHEM 4310/5310 (860:137g)	Instrumental Analysis	4
CHEM 4420/5420 (860:140g)	Physical Chemistry I	3
CHEM 4430/5430 (860:141g)	Physical Chemistry II	3
Physics:		
Select one of the following:		8
PHYSICS 1511 (880:054) & PHYSICS 1512 (880:056) or PHYSICS 1701 (880:130) & PHYSICS 1702 (880:131)	General Physics I and General Physics II 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 Liberal Arts Core 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 5-12 Chemistry. Coursework that leads to additional endorsements is recommended and should be selected in consultation with your advisor.

Required

Mathematics:		
MATH 1420 (800:060)	Calculus I *	4

Chemistry and Biochemistry:		
CHEM 1120 (860:048) & CHEM 1110 (860:044)	General Chemistry II and General Chemistry I (*)	8
CHEM 2040	Applied Organic and Biochemistry	4
CHEM 2110 (860:110)	Descriptive Inorganic Chemistry	4
CHEM 2310 (860:132)	Chromatography and Quantitative Analysis	4
CHEM 4010/5010	Chemical Safety Seminar	1
CHEM 4420/5420 (860:140g)	Physical Chemistry I	3
Physics:		8

Select one of the following:

PHYSICS 1511 (880:054) & PHYSICS 1512 (880:056)	General Physics I and General Physics II	
or		
PHYSICS 1701 (880:130) & PHYSICS 1702 (880:131)	Physics I for Science and Engineering and Physics II for Science and Engineering	

Methods

Science and Science Education:

SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	4
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
TEACHING 3129	Secondary and Special-Area Classroom Management	1

Total Hours	44
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* Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

Notes:

- Well-prepared students may substitute *CHEM 1130 (860:070)* for CHEM 1110 (860:044) and CHEM 1120 (860:048) ; these students must also substitute CHEM 2210 (860:120) and CHEM 2230 (860:121) and CHEM 2220 (860:123) for CHEM 2040.

Minors

Chemistry Minor

Required

Chemistry and Biochemistry:		5-8
CHEM 1120 (860:048) & CHEM 1110 (860:044) or CHEM 1130 (860:070)	General Chemistry II and General Chemistry I (*) General Chemistry I-II	
Electives		14
Total Hours		19-22

Note: Courses numbered 2000 and above may be used as electives for the Chemistry Minor, with the following exceptions: CHEM 4010/5010, 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 (860:110)	Descriptive Inorganic Chemistry
CHEM 2210 (860:120)	Organic Chemistry I
CHEM 2220 (860:123)	Organic Chemistry II
CHEM 2230 (860:121)	Organic Chemistry Laboratory
CHEM 2310 (860:132)	Chromatography and Quantitative Analysis
CHEM 4200/5200 (860:144g)	Nanoscience
CHEM 4420/5420 (860:140g)	Physical Chemistry I
CHEM 4430/5430 (860:141g)	Physical Chemistry II
CHEM 4510/5510 (860:154g)	Biochemistry I
CHEM 4520/5520 (860:155g)	Biochemistry II

Department of Communication Sciences and Disorders

(College of Humanities, Arts and Sciences)

www.uni.edu/chas

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

Graduate Major (M.A.)

- Speech-Language Pathology

Bachelor of Arts Degree Program Communication Disorders Major

The Communication Disorders major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Communication Disorders		
CSD 1000 (51C:006)	Understanding Communication Disorders	3
CSD 3100 (51C:106)	Language Acquisition in Children: Birth to 5 Years	3

List of Programs by Department

CSD 3120 (51C:111)	Phonetics in Communicative Disorders	3
CSD 3135 (51C:114)	Anatomy and Physiology of Speaking Mechanism	3
CSD 3130/5130 (51C:164g)	Neuroscience and the Study of Communication Disorders	3
CSD 3200/5200 (51C:127g)	Language of School-aged Children	3
CSD 3220 (51C:125)	Disorders of Speech Sounds	3
CSD 3250/5250 (51C:162g)	Speech Science	3
CSD 3260/5260 (51C:175g)	Hearing Science	3
CSD 3270/5270 (51C:177g)	Introduction to Audiology	3
CSD 3650 (51C:152)	Clinical Processes	2
CSD 3900/5900 (51C:180g)	Aural Rehabilitation	3
Statistical Measurement:		3
STAT 1772 (800:072)	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 (51C:168g)	Communication Disorders and Differences Across the Lifespan	
CSD 4150/5150	Developmental Neurology in Communication Sciences and Disorders	
CSD 4500 (51C:155)	Clinical Practice	
Option 2: Pre-professional audiology Psychology:		
PSYCH 2101 (400:155)	Biopsychology	
PSYCH 3204/5204 (400:173g)	Psychology of Aging	
PSYCH 3303/5303 (400:154g)	Health Psychology	
Health Promotion and Education:		
HPE 4125/5125 (410:125g)	Aging and Health	
Social Work:		
SW 4143 (450:143g)	Self-Care and Stress Management in Helping Professions	
Communication Disorders		
CSD 3140/5140	Introduction to Neurogenic Disorders	
CSD 3700/5700 (51C:168g)	Communication Disorders and Differences Across the Lifespan	
CSD 4000/5000 (51C:197g)	Honors in Communicative Disorders	
CSD 4100/5100 (51C:160g)	Augmentative Communication	

CSD 4150/5150	Developmental Neurology in Communication Sciences and Disorders
CSD 4500 (51C:155)	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 (51C:152) 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 (51C:155).

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 Liberal Arts Core. 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 www.grad.uni.edu/admission.

The Graduate Record Examination (General Test) is 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 51 semester hours** is required for **both options**. A minimum of 6 hours of CSD 6299 (51C:299) is required for the thesis option. **A minimum of 47 semester hours of 200/6000-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 signature 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. Certificates in specialty areas will be awarded to students who complete the core and a minimum of 6 additional hours in one of two areas of emphasis. Students should consult with their advisor concerning the specialty certificates.

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 (260:119) Schools and American Society and TEACHING 4170/5170 (280:170g) 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 (280:250) 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. Asterisked (*) 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 (51S:255) 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 (51S:255) 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 CALPSO system.

Communication Disorders courses typically completed as an undergraduate:

CSD 3100 (51C:106)	Language Acquisition in Children: Birth to 5 Years	3
CSD 3120 (51C:111)	Phonetics in Communicative Disorders	3
CSD 3130/5130 (51C:164g)	Neuroscience and the Study of Communication Disorders	3
CSD 3135 (51C:114)	Anatomy and Physiology of Speaking Mechanism	3
CSD 3200/5200 (51C:127g)	Language of School-aged Children	3
CSD 3220 (51C:125)	Disorders of Speech Sounds	3
CSD 3250/5250 (51C:162g)	Speech Science	3
CSD 3260/5260 (51C:175g)	Hearing Science	3
CSD 3270/5270 (51C:177g)	Introduction to Audiology	3
CSD 3650 (51C:152)	Clinical Processes	2
CSD 3700/5700 (51C:168g)	Communication Disorders and Differences Across the Lifespan	3
CSD 3900/5900 (51C:180g)	Aural Rehabilitation	3

Speech Language Pathology core (as a graduate student):

Required		
CSD 6000 (51C:200)	Research Methods in Speech-Language Pathology and Audiology	2
CSD 6300 (51S:222)	Treatment of Child Language Disorders	3
CSD 6400 (51S:226)	Disorders of Voice	3
CSD 6450 (51S:230)	Motor Speech Disorders	2
CSD 6500 (51S:255)	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 (51S:229)	Dysphagia	2
CSD 6650 (51S:228)	Aphasia and Related Disorders	3

List of Programs by Department

CSD 6230	Structural Disorders - Craniofacial and Head & Neck Cancer	3
CSD 6289 (51S:289)	Seminar in Speech-Language Pathology	2
CSD 6660	Advanced Diagnostics in Communication Disorders	2
CSD 6700 (51S:232)	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 (51C:299)	Research	2 or 6
Thesis Option (6 hrs.)		
Non-thesis Option (2 hrs.)		
Internship:		9-14
CSD 6580 (51C:257)	Internship in Clinical Settings (4 hrs. if combined with TEACHING 6250; otherwise 9 hours)	9
and/or		
TEACHING 6250 (280:250)	Advanced Laboratory Practice (10 hrs.)	
Electives		0 or 4
Non-thesis option (4 hrs.)		
Minimum 4 credits in addition to required CSD 6289 (51S:289) seminar for non-thesis option; no additional electives required for thesis option; courses as approved by the graduate advisor.		
Total hours non-thesis		51-56
Total hours thesis		51-56

Department of Communication Studies

(College of Humanities, Arts and Sciences)

www.uni.edu/commstudies

The Department of Communication Studies offers the following undergraduate and graduate programs and program certificates.

Specific requirements for these programs are listed within this Department of Communication Studies section in the following order:

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

- Political Communication (also listed in Department of Political Science)

Minors

- Business Communication (also listed in Department of Marketing)
- Communication Studies (Liberal Arts)
- Communication-Theatre-Teaching (also listed in Department of Theatre)
- Communication/Digital Journalism (Liberal Arts)
- Communication/Digital Media Leadership
- Communication/Public Relations
- Interactive Digital Studies

Graduate Major (M.A.)

- Communication Studies

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), a student must earn a cumulative GPA of 2.50.

Advisory Statement: Requirements of a Communication Studies 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.

Enrollment Management Policy

This policy applies to the following: Communication Liberal Arts Major, Communication/Public Relations Major, Communication/Digital Media Major, Interactive Digital Studies Major, Political Communication Major, Communication Liberal Arts Minor, Business Communication Minor, Communication/Digital Journalism Minor, Communication/Digital Media Leadership Minor, Communication/Public Relations Minor, and Interactive Digital Studies Minor.

Majors

1. Students may indicate their interest in majoring in a communication program any time after their admission to UNI. Formal indication of interest shall be made via the Declaration of Curriculum form at which time the student will be considered a pre-major and will be assigned an advisor. (For freshmen, this shall be the UNI Academic Advising Office.)
2. A student's freshman year shall be devoted primarily to course work in the Liberal Arts Core. The Liberal Arts Core load shall include COMM 1000 (48C:001) (Oral Communication) and ENGLISH 1005 (620:005) or *ENGLISH 2015 (620:015)* or *ENGLISH 2120 (620:034)*. **First-year students may alternately complete Cornerstone (UNIV 1000 and UNIV 1010), which fulfills the requirement for COMM 1000 and ENGLISH 1005 or its alternatives.** Major course work shall be limited to courses as recommended by her/his freshman advisor and program policy.
3. By the end of the fall term of a student's sophomore year, pre-majors shall have completed a course major component as designated by the advisor and program policy.
4. The following criteria shall be used for determination of admission:

- a. 2.70 cumulative GPA in at least 24 hours of course work (to include COMM 1000 (48C:001) Oral Communication 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).**
 - b. 2.70 average GPA in the designated major component for Communication - Liberal Arts majors (except Political Communication), and a 2.70 average GPA in the designated major component for Public Relations, Digital Media, and Interactive Digital Studies majors.
 - c. Upon satisfaction of the admission requirements (a and b above), a student shall be converted to major status after the student files a Declaration of Curriculum which will then be processed. The student shall be notified of her/his admission.
 - d. Students admitted to a major shall be able to continue course work toward their major.
 - e. Students unable to satisfy the admission requirements and consequently denied admission shall be notified in writing.
5. Transfer students entering UNI with an associate arts (A.A.) degree shall be admitted to major status if their cumulative GPA is 2.70 or better, and upon the condition that the requirements of both COMM 1000 (48C:001) (Oral Communication) and *ENGLISH 1005 (620:005)* or *ENGLISH 2015 (620:015)* or *ENGLISH 2120 (620:034)* were satisfied.
 6. Transfer students entering UNI without an A.A. degree shall be subject to the admissions standards requirements of students beginning their higher education studies at UNI, i.e. #4.

Designated Course Components

1. Public Relations: COMM COR 1010 (48J:002) , COMM PR 1811 (48P:005) .
2. Digital Media: COMM COR 1010 (48J:002) , COMM DM 1651
3. Communication-Liberal Arts: COMM 1000 (48C:001), and ENGLISH 1005 (620:005) or equivalent or both UNIV 1000 and UNIV 1010; COMM 2011 (48C:002); COMM 2344 (48C:004) or COMM 1205 (48C:031); COMM COR 2020 (48C:080).
4. Political Communication: none.
5. Interactive Digital Studies: COMM COR 1010 (48J:002) and COMM 2555 (48C:025).

Minors

Admission to any Communication Minor (Liberal Arts, Business Communication, Digital Journalism, Digital Media Leadership or Public Relations) or Interactive Digital Studies Minor requires a 2.70 cumulative GPA in at least 24 hours of course work to include COMM 1000 (48C:001) Oral Communication and ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015) or *ENGLISH 2120 (620:034)* or both UNIV 1000 and UNIV 1010. (Also, see 4c above.)

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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

COMM 2011 (48C:002)	Exploring Communication Studies	1
COMM 2256 (48C:011)	Performing Texts	3
or		
COMM 2255 (48C:071)	Public Speaking **	
or		
COMM 2257 (48C:074)	Argumentation and Debate **	
or		
COMM 3455 (48C:146)	Performing Stories, Narratives, and Identity	
COMM 2344 (48C:004)	Interpersonal Communication **	3
or		
COMM 1205 (48C:031)	Group Communication Skills **	
COMM 2555 (48C:025)	Interactive Digital Communication	3
COMM 4155/5155 (48C:135g)	Organizational Communication Assessment *	3
or COMM 4021/5021 (48C:180g)	Quantitative Research Methods	
or COMM 4022/5022 (48C:183g)	Qualitative Research Methods	
or COMM 4023/5023 (48C:189g)	Rhetorical Research Methods	
COMM 4444/5444 (48C:155g)	Communication, Community, and Change	3
or COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	
or COMM 4320	Leadership Communication and Citizenship	
COMM COR 1010 (48J:002)	Mass Communication and Society	3
COMM COR 2020 (48C:080)	Communication Research Methods **	3
COMM COR 4124 (48C:124)	Communication Theories **	3
Electives		9

Select three from the following Theories and Concepts courses:

COMM 3000/5000 (48C:166g)	Selected Topics in Communication
COMM 3055 (48C:132)	Organizational Communication **
COMM 3455 (48C:146)	Performing Stories, Narratives, and Identity
COMM 4111/5111 (48C:131g)	Group Communication Theory and Analysis **
COMM 4116/5116 (48C:138g)	Health Communication
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication *
COMM 4216/5216 (48C:160g)	Political Communication
COMM 4217/5217 (48C:176g)	Freedom of Speech

List of Programs by Department

COMM 4218 (48C:178)	Persuasion	
COMM 4236/CAP 3128 (CAP:128)	Ethics in Communication	
COMM 4311/5311 (48C:121g)	Nonverbal Communication	
COMM 4316/5316 (48C:136g)	Mediation Theory and Process *	
COMM 4322/5322 (48C:144g)	Advanced Interpersonal Communication *	
COMM 4333/5333 (48C:148g)	Communication and Conflict Management *	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4347/5347 (48C:142g)	Family Communication *	
COMM 4411/5411 (48C:122g)	Language and Communication	
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	
COMM 4447/5447 (48C:108g)	Performance and Social Change	
COMM 4448/5448 (48C:110g)	Cultural Performance	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	
COMM 4909/5909 (48C:119g)	Readings in Performance Studies *	
Electives: any Communication Studies department course prefix (COMM xxxx, COMM COR xxxx, COMM DM xxxx, COMM PR xxxx)		9
Total Hours		43

* *These courses have additional prerequisites as follows:
 COMM 4155/5155 (48C:135g) has prerequisite of COMM 3055 (48C:132).
 COMM 4909/5909 (48C:119g) has prerequisites of COMM 2256 (48C:011); COMM 4447/5447 (48C:108g) or COMM 4448/5448 (48C:110g).
 COMM 4134/5134 (48C:134g) has prerequisites of MGMT 3153 (150:153) or COMM 3055 (48C:132).
 COMM 4316/5316 (48C:136g), COMM 4347/5347 (48C:142g), COMM 4322/5322 (48C:144g), and COMM 4333/5333 (48C:148g) have prerequisite of COMM 2344 (48C:004)

** *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 Liberal Arts Core Categories 1A and 1B.

Communication-Theatre-Teaching Major

The Communication-Theatre-Teaching major requires a minimum of 121 total hours to graduate. This total includes Liberal Arts Core 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 Studies and Theatre.

Required

Communication:		
COMM 2256 (48C:011)	Performing Texts	3
COMM 2257 (48C:074)	Argumentation and Debate	3
COMM 2344 (48C:004)	Interpersonal Communication	3
COMM 2555 (48C:025)	Interactive Digital Communication	3
COMM 4355/5355 (48C:141g)	Listening	3
COMM 4559/5559 (48C:187g)	Methods of Teaching Speech	3
COMM DM 1611	Digital Media Literacies	3
Theatre:		
COMM 2455 (48C:015)	Skills for Making Performance ^	3

OR

THEATRE 1010 (490:010)	Foundations of Theatre (THEATRE 1010 is a co-requisite with THEATRE 1011)	
THEATRE 1012 (490:015)	Stagecraft: Scenery/Lights *	3
THEATRE 1030 (490:024)	Acting *	3
THEATRE 3020 (490:138)	Playscript Analysis and Interpretation *	3
THEATRE 3070 (490:136)	History of the Theatre II	3
THEATRE 3115 (490:109)	Methods of Teaching Drama and Theatre	3
THEATRE 3160 (490:161)	Directing	3
Applied Activity Option: **		
Select 3 of the following:		
COMM 1940 (48C:091) & COMM 3940 (48C:191)	Applied Forensics and Advanced Applied Forensics (each course is 1 hr.) **	
COMM 1941 (48C:093) & COMM 3941 (48C:193)	Applied Performance Studies and Advanced Applied Performance Studies (each course is 1-2 hrs.) **	
THEATRE 1011 (490:011)	Foundations of Theatre Lab (1 hr.) This course is a co-requisite for THEATRE 1010	
THEATRE 2050 (490:050)	Theatre Practicum (1 hr.) **	

Electives

Select one of the following:		
COMM 2255 (48C:071)	Public Speaking (3 hrs.)	3
COMM 2456	Performance of Popular Culture (3 hrs.)	
COMM 4218 (48C:178)	Persuasion (3 hrs.)	
COMM 4322/5322 (48C:144g)	Advanced Interpersonal Communication (3 hrs.)	
COMM 4411/5411 (48C:122g)	Language and Communication (3 hrs.)	

List of Programs by Department

COMM 4447/5447 (48C:108g)	Performance and Social Change (3 hrs.)	
COMM 4448/5448 (48C:110g)	Cultural Performance (3 hrs.)	
COMM COR 1010 (48J:002)	Mass Communication and Society (3 hrs.)	
COMM DM 1651	Digital Media Production I	
COMM PR 1811 (48P:005)	Principles of Public Relations (3 hrs.)	
THEATRE 1020 (490:020)	Introduction to Reading Playscripts (3 hrs.)	
THEATRE 3000 (490:101)	Creative Drama (3 hrs.)	
THEATRE 3050/5050 (490:151g)	Theatre Production (1-4 hrs.)	
THEATRE 3080/5080 (490:137g)	Advanced Theatre Studies (3 hrs.)	
THEATRE 3180/5180 (490:155g)	Theatre Management (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 (490:161).
- ** 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.
- For the LAC Category Fine Arts requirement (Category 3A) we recommend that Communication-Theatre Education majors take THEATRE 1002 (490:002) The Theatrical Arts and Society (3 hours).
- For the LAC Capstone Experience (Category 6), we recommend that Communication-Theatre Education majors take THEATRE 3100 (490:106) /CAP 3106 (CAP:106) Theatre in Education (3 hours).

Communication/Digital Media Major

The Communication/Digital Media major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 (48J:002)	Mass Communication and Society	3
COMM COR 2020 (48C:080)	Communication Research Methods **	3
COMM COR 4124 (48C:124)	Communication 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 4632	Senior Seminar in Digital Media	3
Select one of the following three emphases:		27
Total Hours		49

Emphasis 1: Digital Journalism

Required

Communication:		
COMM 2555 (48C:025)	Interactive Digital Communication	3
Digital Media:		
COMM DM 1620	Fundamentals of Journalism	3
COMM DM 2653	News Writing for Media	3
COMM DM 3659	Editing and Design	3
COMM DM 4630/5630	Journalism, Law, and Ethics	3
COMM DM 4650/5650	Advanced Reporting	3

Electives (Select 9 hours from the following):

Digital Media:		
COMM DM 2651	Digital Media Production II	3
COMM DM 3651	Advanced Digital Media Production: Television News *	3
COMM DM 3652	Advanced Digital Media Production: Documentary *	3
COMM DM 3658	Digital Journalism: (Topic)	3
COMM DM 3959	Advanced Applied Digital Journalism	1
COMM DM 4611/5611	History of Mass Communication	3
COMM DM 4641/5641	Critical Studies in Digital Media: (Topic)	3
COMM DM 4644/5644	Global Mass Communication Systems	3
COMM DM 4651	Digital Media Practicum: (Topic) *	3
COMM DM 4655	Photojournalism	3
COMM DM 4656/5656	Feature Writing	3

Communication:

COMM 4556/5556	Interactive Digital Visualization *	
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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 4622/5622	Digital Media Audiences	3
COMM DM 4631/5631	Digital Media Law	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

List of Programs by Department

ECON 1031 (920:024)	Introduction to Economics	
ECON 1041 (920:053)	Principles of Macroeconomics	
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
and one of the following courses:		3
MGMT 3153 (150:153)	Organizational Management	
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 3143 (130:150)	Advertising and Promotion	
MKTG 3146 (130:160)	Digital Advertising	
MKTG 3583/5583 (130:170g)	Entrepreneurship *	

Emphasis 3: Digital Media Production

Required

Digital Media:		
COMM DM 2651	Digital Media Production II	3
COMM DM 4612/5612	Digital Media: Processes and Effects	3
COMM DM 4621/5621	Digital Media Analysis	3
COMM DM 4631/5631	Digital Media Law	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) 9

Art (up to 6 hours can be counted as electives):

ART 2030 (600:025)	Graphic Design I	
ART 2070 (600:032)	Creative Photography I: Digital Photography	
ART 3035 (600:182)	Graphic Design: Motion Graphics	

Communication (up to 6 hours can be counted as electives):

COMM 2555 (48C:025)	Interactive Digital Communication	
COMM 4447/5447 (48C:108g)	Performance and Social Change	

Computer Science (up to 6 hours can be counted as electives):

CS 1000 (810:021)	Computing Skills and Concepts	
CS 1120 (810:056)	Media Computation	
CS 3120/5120 (810:112g)	User Interface Design	
CS 2880 (810:088)	Topics in Computing	

Digital Media:

COMM DM 1620	Fundamentals of Journalism	
COMM DM 2652	Emerging Digital Media: (Topic)	

COMM DM 2653	News Writing for 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 4622/5622	Digital Media Audiences	
COMM DM 4641/5641	Critical Studies in Digital Media: (Topic) *	
COMM DM 4653/5653	Digital Media Distribution	
COMM DM 4642/5642	Digital Technologies (Topic)	
COMM DM 4651	Digital Media Practicum: (Topic)	
COMM DM 4652	Digital Media Projects	
COMM DM 4654/5654	Digital Media Management	
COMM DM 4655	Photojournalism *	
English (up to 6 hours can be counted as electives):		
ENGLISH 2650 (620:035)	Introduction to Film *	
ENGLISH 4660/5660 (620:142g)	Film History *	
Marketing (up to 6 hours can be counted as electives):		
MKTG 2110 (130:101)	Principles of Marketing *	
MKTG 3143 (130:150)	Advertising and Promotion *	
MKTG 3146 (130:160)	Digital Advertising	

* These courses have additional prerequisites as follows:
 ART 3035 (600:182) has a prerequisite of ART 3030 (600:125).
 COMM 4556/5556 has a prerequisite of COMM 2555 (48C:025).
 COMM DM 2653 has a prerequisite of COMM DM 1620.
 COMM DM 3651, COMM DM 3652, COMM DM 3653, COMM DM 3654, COMM DM 3655 all have the prerequisite of COMM DM 2651.
 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 (920:024) may be used to satisfy Category 5 B of the Liberal Arts Core.
 ENGLISH 2650 (620:035) has prerequisite of ENGLISH 1005 (620:005). ENGLISH 1005 (620:005) may be used to satisfy Category 1A of the Liberal Arts Core.
 ENGLISH 4660/5660 (620:142g) has prerequisite of ENGLISH 2120 (620:034) or ENGLISH 2650 (620:035).
 ENGLISH 2120 (620:034) may be used to satisfy Category 1A of the Liberal Arts Core.
 MKTG 3583/5583 (130:170g) has a prerequisite of BUSINESS 2010 (100:040) or (ACCT 2120 (120:030); ACCT 2130 (120:031); prerequisite or corequisite FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; and ECON 1011 (920:070)); MKTG 2110 (130:101); ECON 1031 (920:024) or (ECON 1041 (920:053) and ECON 1051 (920:054)); junior standing.

** 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 Liberal Arts Core Categories 1A and 1B.

Communication/Public Relations Major

The Communication/Public Relations major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Communication/Public Relations major requires the completion of 18 hours in public relations, 15 hours in communication, 15 hours in digital journalism and 12 hours in business. (The concentration of study in business is in keeping with the specific recommendations for public relations education as outlined in *The Design for Undergraduate Public Relations Education: Report of the 1987 Commission on Undergraduate Public Relations Education*, co-sponsored by the Public Relations Division of the Association for Education in Journalism and Mass Communication, and Public Relations Society of America and the Educators Academy of PRSA.)

Required

COMM COR 1010 (48J:002)	Mass Communication and Society	3
COMM COR 2020 (48C:080)	Communication Research Methods **	3
COMM COR 4124 (48C:124)	Communication Theories **	3

Public Relations:

COMM PR 1811 (48P:005)	Principles of Public Relations **	3
COMM PR 3855 (48P:173)	Public Relations Writing	3
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies	3
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods	3
COMM PR 3179 (48P:179) or COMM PR 3900/5900 (48P:197g)	Cooperative Education Internship in Public Relations	3

Communication:

COMM 3155 (48C:173)	Business and Professional Oral Communication **	3
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Digital Journalism:

COMM DM 1620	Fundamentals of Journalism	3
COMM DM 2653	News Writing for Media	3
COMM DM 3659	Editing and Design	3

Business Courses:

ACCT 2120 (120:030)	Principles of Financial Accounting	3
MKTG 2110 (130:101)	Principles of Marketing *	3

Select one of the following three emphases 15

Emphasis 1: Strategic Public Relations

Communication:

COMM 3055 (48C:132)	Organizational Communication
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Digital Journalism:

COMM DM 4630/5630	Journalism, Law, and Ethics
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Public Relations:

COMM PR 4822/5822 (48P:170g)	Global Public Relations
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Management:

MGMT 3153 (150:153)	Organizational Management
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Marketing:

MKTG 3113/5113 (130:106g)	Consumer Behavior
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Emphasis 2: Special Events

Public Relations:

COMM PR 4856/5856	Public Relations Special Events Planning
COMM PR 4858/5858	Sports Public Relations

Kinesiology, Allied Health, and Human Services:

LYHS 4116/5116 (430:172g) or LYHS 4778/5778 (430:171g)	Festivals and Special Events Management Community Based Tourism
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Marketing:

MKTG 3146 (130:160)	Digital Advertising *
MKTG 3153 (130:153)	Personal Selling *

Emphasis 3: Sports Public Relations

Public Relations:

COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications
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List of Programs by Department

COMM PR 4858/5858	Sports Public Relations
Kinesiology, Allied Health, and Human Services:	
PEMES 3186 "Studies in Physical Education: Introduction in Sports Management" (3 hrs.)	
or	
PEMES 3186 "Studies in Physical Education: Sports Marketing" (3 hrs.)	
Marketing:	
MKTG 3156 (130:178)	Services Marketing *
MKTG 3166 (130:166)	Retail Management *
Total Hours	57

- * MKTG 2110 (130:101) and MKTG 3113/5113 (130:106g) have ECON 1031 (920:024) or ECON 1041 (920:053) as a prerequisite. ECON 1031 (920:024) will satisfy Category 5B of the Liberal Arts Core.
- ** **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 Liberal Arts Core Categories 1A and 1B.

Interactive Digital Studies Major

The Interactive Digital Studies (IDS) major is interdisciplinary in nature and is under the jurisdiction of the Department of Communication Studies. The Interactive Digital Studies major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Students who are taking Interactive Digital Studies as a second major must take course emphasis areas that do not significantly overlap with the coursework of the first degree program. According to university requirements, students in a second major program must earn "not less than 32 hours of credit beyond the hours required for the degree the student chooses to declare as the first degree." Similarly, for students taking Interactive Digital Studies as a minor, we recommend that the course emphasis area for the minor does not significantly overlap with the coursework of the major degree program.

Required

Communication:		
COMM 2555 (48C:025)	Interactive Digital Communication	3
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	3
COMM COR 1010 (48J:002)	Mass Communication and Society	3
Computer Science:		
CS 1120 (810:056)	Media Computation	3
University, Interdisciplinary:		
UNIV 4555	Interactive Digital Studies Practicum	3

Electives - select two bundles (emphases) from the following: 30-32

Total Hours	45-47
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EMPHASES

1. Digital Visualization (15 hours)

COMM 3557	Advanced Digital Visualization: (Topic)	3
COMM 4556/5556	Interactive Digital Visualization	3
COMM DM 1611	Digital Media Literacies	3
Total Hours		9

2. Digital Computation (17 hours)

Computer Science:		
CS 1510 (810:051)	Introduction to Computing	4
CS 1520 (810:052)	Data Structures	4
CS 2530 (810:053)	Intermediate Computing	3
CS 3110	Web Application Development	3
CS 3120/5120 (810:112g)	User Interface Design	3
Total Hours		17

3. Digital Learning (15 hours)

Instructional Technology:		
INSTTECH 1031 (240:031)	Educational Technology and Design	3
INSTTECH 4131/5131 (240:131g)	Exploring Issues and Trends in Instructional Technology	3
INSTTECH 4138/5138 (240:138g)	Understanding Visual Literacy	3
INSTTECH 4139/5139 (240:139g)	Planning and Producing Instructional Media	3
INSTTECH 4153/5153 (240:153g)	Using Digital and Social Media in Education	3
Total Hours		15

4. Digital Writing (15 hours)

English:		
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers	3
ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing	3
or ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	
Select 3 from the following courses (9 units total)		9
ENGLISH 4672/5672 (620:170g)	Electronic Literature	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	
Total Hours		15

5. Digital Music (15 hours)

Music Theory (required):		
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1300 (580:030)	Composition Class	2

MUS THEO 3220/5220 (580:122g)	Music and Technology	4
MUS THEO 3230/5230 (580:123g)	Music Technology, Advanced	4
Music Theory (select two of the following):		4
MUS THEO 1100 (580:010)	Introduction to Music Theory	
MUS THEO 1110 (580:011)	Theory I	
MUS THEO 1120 (580:012)	Theory II	
Theory class placement is determined by a diagnostic examination. Theory classes are a prerequisite for Music Technology and Music Composition courses.		
Additionally, it is recommended that students taking this bundle elect to take MUSIC 1100 (520:010) as part of their LAC courses.		
Total hours		15

6. Digital Imaging (15 hours)

Graphic Technologies:		
TECH 1055 (330:055)	Graphic Communications Foundations	3
TECH 2070 (330:070)	Digital Pre-Media	3
TECH 3169 (330:169)	Digital Imaging	3
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	3
or TECH 4161/5161 (330:161g)	Digital Graphic Communications	
TECH 4184/5184	Digital Imaging II	3
Total Hours		15

7. Digital Advertising (15 hours)

Economics:		
ECON 1031 (920:024)	Introduction to Economics	3
or ECON 1041 (920:053)	Principles of Macroeconomics	
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
MKTG 3143 (130:150)	Advertising and Promotion	3
MKTG 3146 (130:160)	Digital Advertising	3
MKTG 3153 (130:153)	Personal Selling	3
or MKTG 3583/5583 (130:170g)	Entrepreneurship	
or MKTG 4150	Advertising Campaign Development	
Total Hours		15

8. Digital History (15 hours)

Communication:		
COMM 4412/5412	Performing History	3
COMM 4556/5556	Interactive Digital Visualization	3
History:		
HIST 1010 (960:010)	Introduction to the Study of History	3
HIST 4010/5010 (960:106g)	Introduction to Public History	3

HIST 4020/5020 (960:125g)	Introduction to Museum Studies	3
Total Hours		15

Political Communication Major

The Political Communication major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required core

Communication Studies:		
COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	3
COMM 4216/5216 (48C:160g)	Political Communication	3
or POL AMER 4160/5160	Political Communication	
COMM 4444/5444 (48C:155g)	Communication, Community, and Change	3
COMM COR 1010 (48J:002)	Mass Communication and Society	3
Political Science:		
POL AMER 1014 (942:014)	Introduction to American Politics *	3
POL AMER 3112 (942:112)	Campaigns and Elections	3
POL AMER 3150 (942:150)	Public Opinion and Voting Behavior	3

Methodology:

Select one of the following from Communication Studies/Political Science:		
COMM COR 2020 (48C:080)	Communication Research Methods *	
COMM 4023/5023 (48C:189g)	Rhetorical Research Methods *	
POL GEN 2010 (940:010)	Analyzing Politics	

Internship in Communication Studies/Political Science:

COMM 3900/5900 (48C:197g)	Internship in Communication	3
POL GEN 3181 (940:181)	Internship in Politics *	

Electives (choose two courses from Communication Studies and two courses from Political Science from the following list):

Communication Studies:		
COMM 2257 (48C:074)	Argumentation and Debate *	
COMM 3055 (48C:132)	Organizational Communication *	
COMM 4217/5217 (48C:176g)	Freedom of Speech	
COMM 4218 (48C:178)	Persuasion	
COMM 4333/5333 (48C:148g)	Communication and Conflict Management *	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	
COMM DM 1611	Digital Media Literacies	

List of Programs by Department

COMM DM 4612/5612	Digital Media: Processes and Effects
COMM DM 4630/5630	Journalism, Law, and Ethics
COMM DM 4644/5644	Global Mass Communication Systems
COMM PR 1811 (48P:005)	Principles of Public Relations *
Political Science:	
POL AMER 2131 (942:131)	American State Politics
POL AMER 3132 (942:132)	Community Politics
POL AMER 3134 (942:134)	Legislative Politics *
POL AMER 3144 (942:144)	Civil Rights and Liberties
POL AMER 3151 (942:151)	Modern Presidency *
POL AMER 3166 (942:166)	Political Parties and Interest Groups *
POL AMER 4143/5143 (942:143g)	Citizen Participation and Civic Engagement
POL AMER 4177/5177 (942:177g)	Political Psychology
POL INTL 3126 (943:126)	Human Rights
POL INTL 3143 (943:143)	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 (942:014) satisfies Category 5B of the Liberal Arts Core.
 COMM COR 2020 (48C:080), COMM 2257 (48C:074), and COMM 3055 (48C:132) have prerequisite of COMM 1000 (48C:001). COMM 1000 (48C:001) satisfies Category 1B of the Liberal Arts Core.
 POL GEN 3181 (940:181) has prerequisites of POL GEN 2010 (940:010); 15 hours of Political Science, Political Communication, or Public Administration major.
 COMM 4023/5023 (48C:189g) has prerequisite of COMM COR 2020 (48C:080) but will be waived for Political Communication majors.
 COMM 4333/5333 (48C:148g) has a prerequisite of COMM 2344 (48C:004).
 COMM DM 4612/5612 has prerequisite of COMM COR 2020 or consent of instructor.
 COMM DM 4644/5644 has prerequisite of COMM COR 1010 (48J:002).
 COMM PR 1811 (48P:005) has prerequisites of COMM 1000 (48C:001) and ENGLISH 1005 (620:005).
 COMM 1000 (48C:001) satisfies Category 1B of the Liberal Arts Core.
 POL AMER 3134 (942:134), POL AMER 3151 (942:151), and POL AMER 3166 (942:166) have prerequisite of POL AMER 1014 (942:014). POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core.

Minors

See Enrollment Management Policy for Communication 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 Administration. It is under the jurisdiction of the Department of Marketing and the Department of Communication Studies. The minor requires a 12-hour core plus 9 hours from one of three emphases.

Required

Communication:		
COMM 3155 (48C:173)	Business and Professional Oral Communication	3
Communication or English:		3
COMM 2555 (48C:025)	Interactive Digital Communication	
or ENGLISH 2770 (620:077)	Introduction to Professional Writing	
Communication or Management:		3
COMM 3055 (48C:132)	Organizational Communication	
or MGMT 3153 (150:153)	Organizational Management	
Marketing:		
MKTG 2110 (130:101)	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 (620:102g)	Applied Writing: Workplace Communication
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication

2. Communication Skills

Select one course from the following:	3
Communication Studies:	
COMM 1205 (48C:031)	Group Communication Skills
COMM 4316/5316 (48C:136g)	Mediation Theory and Process
COMM 4333/5333 (48C:148g)	Communication and Conflict Management
COMM 4355/5355 (48C:141g)	Listening
COMM PR 1811 (48P:005)	Principles of Public Relations

3. Business and Professional Communication Contexts and Applications

Select one of the following:	3
Communication Studies:	
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications
Marketing:	

List of Programs by Department

MKTG 3143 (130:150)	Advertising and Promotion
MKTG 3146 (130:160)	Digital Advertising
MKTG 3153 (130:153)	Personal Selling

Note: When declaring this minor students must:

- have a 2.70 cumulative GPA.
- have satisfactorily completed Categories 1A and 1B of the Liberal Arts Core.

Available to all UNI majors.

Communication Studies Minor (Liberal Arts)

Required

Communication:		
COMM 1000 (48C:001)	Oral Communication	3
COMM 2011 (48C:002)	Exploring Communication Studies	1
COMM 2256 (48C:011)	Performing Texts **	3
or COMM 2255 (48C:071)	Public Speaking	
or COMM 2257 (48C:074)	Argumentation and Debate	
COMM 2344 (48C:004)	Interpersonal Communication **	3
or COMM 1205 (48C:031)	Group Communication Skills	
COMM 2555 (48C:025)	Interactive Digital Communication	3
COMM COR 2020 (48C:080)	Communication Research Methods	3
Select one of the following:		3
COMM 4111/5111 (48C:131g)	Group Communication Theory and Analysis	
COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	
COMM 4218 (48C:178)	Persuasion	
COMM 4322/5322 (48C:144g)	Advanced Interpersonal Communication *	
COMM 4411/5411 (48C:122g)	Language and Communication	
COMM COR 4124 (48C:124)	Communication Theories	
Electives in COMM courses:		6
Total Hours		25

Communication-Theatre-Teaching Minor

The Communication-Theatre-Teaching minor is offered jointly by the Departments of Communication Studies and Theatre.

Required

COMM 2255 (48C:071)	Public Speaking	3
COMM 2256 (48C:011)	Performing Texts	3
COMM 2257 (48C:074)	Argumentation and Debate	3
COMM DM 1611	Digital Media Literacies	3
THEATRE 3160 (490:161)	Directing	3
COMM 4559/5559 (48C:187g)	Methods of Teaching Speech	3
or THEATRE 3115 (490:109)	Methods of Teaching Drama and Theatre	

Electives (Select 6 hours)		6
COMM 1940 (48C:091) & COMM 3940 (48C:191)	Applied Forensics and Advanced Applied Forensics *	
COMM 1941 (48C:093) & COMM 3941 (48C:193)	Applied Performance Studies and Advanced Applied Performance Studies *	
COMM 2455 (48C:015)	Skills for Making Performance	
THEATRE 1010 (490:010) & THEATRE 1011 (490:011)	Foundations of Theatre and Foundations of Theatre Lab **	
THEATRE 1030 (490:024)	Acting **	
THEATRE 2050 (490:050)	Theatre Practicum *	
Total Hours		24

* Any of these courses can be repeated up to three times.

** These classes must be taken before THEATRE 3160 (490:161).

Communication/Digital Journalism Minor (Liberal Arts)

Required

Communication:		
COMM COR 1010 (48J:002)	Mass Communication and Society	3
Digital Media:		
COMM DM 1620	Fundamentals of Journalism	3
COMM DM 2653	News Writing for Media	3
COMM DM 3659	Editing and Design	3
COMM DM 4630/5630	Journalism, Law, and Ethics	3
COMM DM 4650/5650	Advanced Reporting	3
Electives		
Select two of the following:		6
COMM DM 3900	Internship in Digital Media	
COMM DM 3658	Digital Journalism: (Topic)	
COMM DM 4611/5611	History of Mass Communication	
COMM DM 4644/5644	Global Mass Communication Systems	
COMM DM 4655	Photojournalism	
COMM DM 4656/5656	Feature Writing	
Total Hours		24

Communication/Digital Media Leadership

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 (48J:002)	Mass Communication and Society	3
Digital:		
COMM DM 3656	Digital Media Industries	3
COMM DM 3657	Promotion of Digital Media	3

List of Programs by Department

COMM DM 4622/5622	Digital Media Audiences	3
or COMM DM 4653/5653	Digital Media Distribution	
COMM DM 4654/5654	Digital Media Management	3
Management:		
MGMT 3153 (150:153)	Organizational Management	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing *	3
Total Hours		21

* * MKTG 2110 (130:101) have ECON 1031 (920:024) or ECON 1041 (920:053) as a prerequisite. ECON 1031 (920:024) will satisfy Category 5B of the Liberal Arts Core.

Communication/Public Relations Minor

Required

Communication:		
COMM COR 4124 (48C:124)	Communication Theories *	3
COMM 3055 (48C:132)	Organizational Communication *	3
Public Relations:		
COMM PR 1811 (48P:005)	Principles of Public Relations *	3
COMM PR 3855 (48P:173)	Public Relations Writing	3
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies	3
COMM PR 4855/5855 (48P:182g)	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 one from the following:			3
Communication:			
COMM COR 2020 (48C:080)	Communication Research Methods *		
COMM 3155 (48C:173)	Business and Professional Oral Communication *		
Digital Journalism:			
COMM DM 1620	Fundamentals of Journalism		
COMM DM 4630/5630	Journalism, Law, and Ethics		
Public Relations:			
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications		
COMM PR 4822/5822 (48P:170g)	Global Public Relations		
COMM PR 4857/5857	Crisis Communication		
Total Hours			24

* *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 Liberal Arts Core Categories 1A and 1B.

Interactive Digital Studies Minor

The Interactive Digital Studies minor is interdisciplinary in nature and is under the jurisdiction of the Department of Communication Studies. This minor requires a 9-hour core plus 15-17 hours from one of the eight emphases.

Required

Communication:		
COMM 2555 (48C:025)	Interactive Digital Communication	3
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	3
COMM COR 1010 (48J:002)	Mass Communication and Society	3
Computer Science:		
CS 1120 (810:056)	Media Computation	3
Electives - select one bundle (emphasis) from the following:		15-17
Total Hours		27-29

1. Digital Visualization (15 hours)

COMM 3557	Advanced Digital Visualization: (Topic)	3
COMM 4556/5556	Interactive Digital Visualization	3
COMM DM 1611	Digital Media Literacies	3
Total Hours		9

2. Digital Computation (17 hours)

Computer Science:		
CS 1510 (810:051)	Introduction to Computing	4
CS 1520 (810:052)	Data Structures	4
CS 2530 (810:053)	Intermediate Computing	3
CS 3110	Web Application Development	3
CS 3120/5120 (810:112g)	User Interface Design	3
Total Hours		17

3. Digital Learning (15 hours)

Instructional Technology:		
INSTTECH 1031 (240:031)	Educational Technology and Design	3
INSTTECH 4131/5131 (240:131g)	Exploring Issues and Trends in Instructional Technology	3
INSTTECH 4138/5138 (240:138g)	Understanding Visual Literacy	3
INSTTECH 4139/5139 (240:139g)	Planning and Producing Instructional Media	3
INSTTECH 4153/5153 (240:153g)	Using Digital and Social Media in Education	3
Total Hours		15

4. Digital Writing (15 hours)

English:		
ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing	3

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or ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers	3
Select 3 from the following courses (9 units total)		9
ENGLISH 4672/5672 (620:170g)	Electronic Literature	
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	
ENGLISH 4160/5160	Issues in Digital Humanities	
Total Hours		15

5. Digital Music (15 hours)

Music Theory (required):

MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1300 (580:030)	Composition Class	2
MUS THEO 3220/5220 (580:122g)	Music and Technology	4
MUS THEO 3230/5230 (580:123g)	Music Technology, Advanced	4
Music Theory (select two of the following):		4
MUS THEO 1100 (580:010)	Introduction to Music Theory	
MUS THEO 1110 (580:011)	Theory I	
MUS THEO 1120 (580:012)	Theory II	
Theory class placement is determined by a diagnostic examination. Theory classes are a prerequisite for Music Technology and Music Composition courses.)		

Additionally, it is recommended that students taking this bundle elect to take MUSIC 1100 (520:010) as part of their LAC courses.

15

6. Digital Imaging (15 hours)

Graphic Technologies:

TECH 1055 (330:055)	Graphic Communications Foundations	3
TECH 2070 (330:070)	Digital Pre-Media	3
TECH 3169 (330:169)	Digital Imaging	3
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	3
or TECH 4161/5161 (330:161g)	Digital Graphic Communications	
TECH 4184/5184	Digital Imaging II	3
Total Hours		15

7. Digital Advertising (15 hours)

Economics:

ECON 1031 (920:024)	Introduction to Economics	3
or ECON 1041 (920:053)	Principles of Macroeconomics	

Marketing:

MKTG 2110 (130:101)	Principles of Marketing	3
MKTG 3143 (130:150)	Advertising and Promotion	3
MKTG 3146 (130:160)	Digital Advertising	3

MKTG 3153 (130:153)	Personal Selling	3
or MKTG 3583/5583 (130:170g)	Entrepreneurship	
or MKTG 4150	Advertising Campaign Development	
Total Hours		15

8. Digital History (15 hours)

Communication:

COMM 4412/5412	Performing History	3
COMM 4556/5556	Interactive Digital Visualization	3

History:

HIST 1010 (960:010)	Introduction to the Study of History	3
HIST 4010/5010 (960:106g)	Introduction to Public History	3
HIST 4020/5020 (960:125g)	Introduction to Museum Studies	3

Total Hours 15

Master of Arts Degree Program Major in Communication Studies

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 Studies 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 Studies, the Director of Graduate Studies, or on the department's Web page at the following address: www.uni.edu/commstudies/graduate-program. Other graduate information and the application for graduate admission may be found at www.grad.uni.edu/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.

A student may seek a General Communication program or specialize in Communication Education, Mass Communication, Organizational Communication, Performance Studies, or Public Relations. 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 200/6000-level course work is required for the thesis option**, including 6 hours of thesis credit. A **minimum of 12 semester hours of 200/6000-level course work is required for the non-thesis option**.

A student is required to successfully complete either a research project (non-thesis option) or thesis. Successful completion of a final **written** comprehensive examination is required for **both the thesis and non-thesis options**.

Of the 30 or 33 hours required:

List of Programs by Department

- 20 hours of course work must be in Communication Studies (*no more than 10 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.*

Communication Education Emphasis

Non-thesis Option

Required Core:

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224)	Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	3

Electives (select 18 hours from the following): 18

POSTSEC 6256 (170:256)	The Two-Year College	
COMM 4111/5111 (48C:131g)	Group Communication Theory and Analysis	
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication	
COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	
COMM 4311/5311 (48C:121g)	Nonverbal Communication	
COMM 4316/5316 (48C:136g)	Mediation Theory and Process	
COMM 4322/5322 (48C:144g)	Advanced Interpersonal Communication	
COMM 4333/5333 (48C:148g)	Communication and Conflict Management	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4347/5347 (48C:142g)	Family Communication	
COMM 4355/5355 (48C:141g)	Listening	
COMM 4411/5411 (48C:122g)	Language and Communication	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	

Total Hours 30

Thesis Option

Required Core:

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224)	Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	3
COMMGRAD 6299 (48C:299,48E:299,48P:299)	Research	6

Electives (select 12 hours from the following): 12

POSTSEC 6256 (170:256)	The Two-Year College	
COMM 4111/5111 (48C:131g)	Group Communication Theory and Analysis	
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication	
COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	
COMM 4311/5311 (48C:121g)	Nonverbal Communication	
COMM 4316/5316 (48C:136g)	Mediation Theory and Process	
COMM 4322/5322 (48C:144g)	Advanced Interpersonal Communication	
COMM 4333/5333 (48C:148g)	Communication and Conflict Management	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4347/5347 (48C:142g)	Family Communication	
COMM 4355/5355 (48C:141g)	Listening	
COMM 4411/5411 (48C:122g)	Language and Communication	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	

Total Hours 30

General Communication Emphasis

Non-thesis Option

Required Core:

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224)	Communication Theory	3

List of Programs by Department

or COMMGRAD 6016 (48E:224)	Mass Communication Theory	
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
Select one of the following 200/6000-level seminars:		3
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
Electives (select 21 hours from the following):		21
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6016 (48E:224)	Mass Communication Theory	
COMMGRAD 6022 (48C:236)	Communication Research Methodology (additional section/s of this besides what is required)	
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
Other 200/6000-level or 100g/5000-level (approved through MyUniverse student request)		
Total Hours		33

Thesis Option

Required Core		18
COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	
COMMGRAD 6011 (48C:224)	Communication Theory	
or COMMGRAD 6016 (48E:224)	Mass Communication Theory	
COMMGRAD 6022 (48C:236)	Communication Research Methodology	
COMMGRAD 6299 (48C:299,48E:299,48P:299)	Research (6 hrs.)	
Select one of the following 200/6000-level seminars:		

COMMGRAD 6027 (48P:282)	Seminar in Public Relations	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
Electives (select 12 hours from the following):		12
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6016 (48E:224)	Mass Communication Theory	
COMMGRAD 6022 (48C:236)	Communication Research Methodology (additional section/s of this besides what is required.)	
COMMGRAD 6027 (48P:282)	Seminar in Public Relations *	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
Other 200/6000-level or 100g/5000-level (approved by advisor and submitted through student request)		
Total Hours		30

* First seminar course/topic counts toward core requirement, additional course(s)/topic(s) count as electives.

Mass Communication Emphasis

Non-thesis Option

Required Core		
COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6016 (48E:224)	Mass Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	3
Electives (select 21 hours from the following):		21
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	

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COMM DM 4612/5612	Digital Media: Processes and Effects
COMM DM 4621/5621	Digital Media Analysis
COMM DM 4622/5622	Digital Media Audiences
COMM DM 4631/5631	Digital Media Law
COMM DM 4641/5641	Critical Studies in Digital Media: (Topic)
COMM DM 4642/5642	Digital Technologies (Topic)
COMM DM 4654/5654	Digital Media Management
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication (first course/ topic counts toward core requirement; additional course(s)/topic(s) count as electives)
COMMGRAD 6285 (Readings)	
COMMGRAD 6286 (Studies in)	
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications
COMM DM 4611/5611	History of Mass Communication
COMM DM 4630/5630	Journalism, Law, and Ethics
COMM DM 4644/5644	Global Mass Communication Systems
COMM DM 4650/5650	Advanced Reporting
COMM DM 4656/5656	Feature Writing
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies
COMM PR 4822/5822 (48P:170g)	Global Public Relations
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods
COMMGRAD 6027 (48P:282)	Seminar in Public Relations
Total Hours	33

* First seminar course/topic counts toward core requirement, additional course(s)/topic(s) count as electives.

Thesis Option

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6016 (48E:224)	Mass Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	3
COMMGRAD 6299 (48C:299,48E:299,48P:299)	Research (6 hrs.)	6
Select 12 hours of electives from the following: *		12
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	

COMMGRAD 6042 (48C:222)	Seminar in Communication
COMM DM 4612/5612	Digital Media: Processes and Effects
COMM DM 4621/5621	Digital Media Analysis
COMM DM 4622/5622	Digital Media Audiences
COMM DM 4631/5631	Digital Media Law
COMM DM 4641/5641	Critical Studies in Digital Media: (Topic)
COMM DM 4642/5642	Digital Technologies (Topic)
COMM DM 4654/5654	Digital Media Management
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication (first course/ topic counts toward core requirement; additional course(s)/topic(s) count as electives)
COMMGRAD 6285 (Readings)	
COMMGRAD 6286 (Studies in)	
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications
COMM DM 4611/5611	History of Mass Communication
COMM DM 4630/5630	Journalism, Law, and Ethics
COMM DM 4644/5644	Global Mass Communication Systems
COMM DM 4650/5650	Advanced Reporting
COMM DM 4656/5656	Feature Writing
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies
COMM PR 4822/5822 (48P:170g)	Global Public Relations
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods
Total Hours	30

* First seminar course/topic counts toward core requirement, additional course(s)/topic(s) count as electives.

Organizational Communication Emphasis

Non-thesis Option

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224) or COMMGRAD 6016 (48E:224)	Communication Theory or Mass Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	3
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	3

Department Electives (select 15 hours from the following): * 15

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COMM 4116/5116 (48C:138g)	Health Communication	
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication	
COMM 4155/5155 (48C:135g)	Organizational Communication Assessment	
COMM 4333/5333 (48C:148g)	Communication and Conflict Management	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication (first and second courses/topics counts toward core requirement; additional course(s)/topic(s) count as electives)	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	
COMMGRAD 6045 (48C:282)	Seminar in Communication Education (first course/ topic counts toward core requirement; additional course(s)/topic(s) count as electives)	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
Total Hours		30

* First and second seminar COMMGRAD 6041 (48C:232) course/topics count toward core requirement; additional course(s)/topics count as electives.
Elective courses outside the department may also be taken with advisor approval (e.g., courses in business, education, sociology, psychology, etc.) and submitted through a student request on MyUNiverse, with no more than 6 hours taken outside the department.

Thesis Option

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224) or COMMGRAD 6016 (48E:224)	Communication Theory Mass Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	3
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	3

COMMGRAD 6299 (48C:299,48E:299,48P:299)	Research	6
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Electives (select 6 hours from the following): *

COMM 4116/5116 (48C:138g)	Health Communication	
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication	
COMM 4155/5155 (48C:135g)	Organizational Communication Assessment	
COMM 4333/5333 (48C:148g)	Communication and Conflict Management	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication (first and second courses/topics counts toward core requirement; additional course(s)/topic(s) count as electives)	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	
COMMGRAD 6045 (48C:282)	Seminar in Communication Education (first course/ topic counts toward core requirement; additional course(s)/topic(s) count as electives)	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
Total Hours		27

* First and second COMMGRAD 6041 (48C:232) courses/ topics count toward core requirement; additional course(s)/ topic(s) count as electives.
Elective courses outside the department may also be taken with advisor approval (e.g., courses in business, education, sociology, psychology, etc.) and submitted through a student request on MyUNiverse, with no more than 3 hours taken outside the department.

Performance Studies Emphasis

Non-thesis Option

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224) or COMMGRAD 6016 (48E:224)	Communication Theory Mass Communication Theory	3

List of Programs by Department

COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	3
Electives (select 21 hours from the following): *		21
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4411/5411 (48C:122g)	Language and Communication	
COMM 4412/5412	Performing History	
COMM 4444/5444 (48C:155g)	Communication, Community, and Change	
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	
COMM 4447/5447 (48C:108g)	Performance and Social Change	
COMM 4448/5448 (48C:110g)	Cultural Performance	
COMM 4490/5490 (48C:117g)	Interpreters Theatre Production	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	
COMM 4909/5909 (48C:119g)	Readings in Performance Studies	
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
COMM DM 4612/5612	Digital Media: Processes and Effects	
COMM DM 4621/5621	Digital Media Analysis	
COMM DM 4622/5622	Digital Media Audiences	
COMM DM 4641/5641	Critical Studies in Digital Media: (Topic)	
COMM DM 4642/5642	Digital Technologies (Topic)	
THEATRE 3125/5125 (490:127g)	Acting Studio	
THEATRE 3180/5180 (490:155g)	Theatre Management	
THEATRE 3195/5195 (490:168g)	Playwriting	
ENGLISH 3715/5715	Craft of Poetry	
ENGLISH 3725/5725	Craft of Fiction	
ENGLISH 4740/5740 (620:174g)	Poetry Workshop	
ENGLISH 4750/5750 (620:175g)	Fiction Workshop	
Total Hours		33

* With no more than 9 hours taken outside the department.

Thesis Option:

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224) or COMMGRAD 6016 (48E:224)	Communication Theory Mass Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	3
COMMGRAD 6299 (48C:299,48E:299,48P:299)	Research (6 hrs.)	6
Electives (select 12 hours from the following):		12
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4411/5411 (48C:122g)	Language and Communication	
COMM 4412/5412	Performing History	
COMM 4444/5444 (48C:155g)	Communication, Community, and Change	
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	
COMM 4447/5447 (48C:108g)	Performance and Social Change	
COMM 4448/5448 (48C:110g)	Cultural Performance	
COMM 4490/5490 (48C:117g)	Interpreters Theatre Production	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	
COMM 4909/5909 (48C:119g)	Readings in Performance Studies	
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
COMM DM 4612/5612	Digital Media: Processes and Effects	
COMM DM 4621/5621	Digital Media Analysis	
COMM DM 4622/5622	Digital Media Audiences	
COMM DM 4641/5641	Critical Studies in Digital Media: (Topic)	
COMM DM 4642/5642	Digital Technologies (Topic)	
THEATRE 3125/5125 (490:127g)	Acting Studio	
THEATRE 3180/5180 (490:155g)	Theatre Management	
THEATRE 3195/5195 (490:168g)	Playwriting	
ENGLISH 3715/5715	Craft of Poetry	

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ENGLISH 3725/5725	Craft of Fiction	
ENGLISH 4740/5740 (620:174g)	Poetry Workshop	
ENGLISH 4750/5750 (620:175g)	Fiction Workshop	
Total Hours		30

* With no more than 9 hours taken outside the department.

Public Relations Emphasis

Non-thesis Option

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224) or COMMGRAD 6016 (48E:224)	Communication Theory Mass Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	3
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	3

Electives (select 18 hours from the following): 18

COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
COMMGRAD 6285 (Readings)		
COMMGRAD 6286 (Studies in)		
COMM 3000/5000 (48C:166g)	Selected Topics in Communication	
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies	
COMM PR 4822/5822 (48P:170g)	Global Public Relations	
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods	

Total Hours 33

* COMMGRAD 6022 (48C:236) counts toward core requirement; additional seminar course(s)/topic(s) count as electives.

Thesis Option

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224)	Communication Theory	3

or COMMGRAD 6016 (48E:224)	Mass Communication Theory	
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	3
COMMGRAD 6299 (48C:299,48E:299,48P:299)	Research (6 hrs.)	6
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	3
Electives (select 9 hours from the following): *		9

COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication ((first course/ topic counts toward core requirement; additional course(s)/topic(s) count as electives))	

COMMGRAD 6285 (Readings)		
COMMGRAD 6286 (Studies in)		
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies	
COMM PR 4822/5822 (48P:170g)	Global Public Relations	
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods	

Total Hours 30

* COMMGRAD 6027 (48P:282) counts toward core requirement; additional seminar course(s)/topic(s) count as electives.

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
- Networking and System Administration

Undergraduate Major (B.A.)

- Computer Science

List of Programs by Department

Minor

- Computer Science

Program Certificates

- Computer Applications
- Computer Science

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 1140, CS 1150, and CS 1160 are regressive to CS 1520 and any course having it as prerequisite.

Bachelor of Science Degree Programs

Computer Science Major

The B.S. Computer Science major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 126 hours.

Required

Computer Science:		
CS 1410 (810:041)	Computer Organization	3
CS 1510 (810:051)	Introduction to Computing	4
CS 1520 (810:052)	Data Structures	4
CS 1800 (810:080)	Discrete Structures	3
CS 2530 (810:053)	Intermediate Computing	3
CS 3730/5730 (810:173g)	Project Management	1

Research:

CS 4800 (810:180)	Undergraduate Research in Computer Science (topic pre-approved by department)	1
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Electives

Mathematics:

Select four from the following: 13

MATH 1420 (800:060)	Calculus I [^] ,#
MATH 1421 (800:061)	Calculus II [#]
MATH 2500 (800:076)	Linear Algebra for Applications

MATH 3440/5440 (800:176g) Numerical Analysis

MATH 3530/5530 (800:143g) Combinatorics

MATH 3752/5752 (800:152g) Introduction to Probability

STAT 1772 (800:072) 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 (810:153) Design and Analysis of Algorithms

CS 3540 (810:154) Programming Languages and Paradigms

CS 3810/5810 (810:181g) Theory of Computation

CS 4550/5550 (810:155g) Translation of Programming Languages *

CS 4880/5880 (810:188g) Topics in Computer Science [†]

Data and Applications:

CS 3140/5140 (810:114g) Database Systems

CS 3150/5150 (810:115g) Information Storage and Retrieval

CS 3610/5610 (810:161g) Artificial Intelligence [#]

CS 3650/5650 (810:166g) Computational Biology

CS 4620/5620 (810:162g) Intelligent Systems *

CS 4880/5880 (810:188g) Topics in Computer Science [†]

Software Engineering:

CS 2720 (810:172) Software Engineering

CS 3120/5120 (810:112g) User Interface Design

CS 3750/5750 (810:175g) Software Verification and Validation

CS 4740/5740 (810:174g) Real-Time Embedded Systems ^{*,#}

CS 4880/5880 (810:188g) Topics in Computer Science [†]

Systems:

CS 2420 (810:142) Computer Architecture and Parallel Programming

CS 3430/5430 (810:143g) Operating Systems

CS 3470/5470 (810:147g) Networking

CS 4400/5400 (810:140g) System Administration

CS 4410/5410 (810:141g) System Security *

CS 4420 Applied Systems Forensics *

CS 4880/5880 (810:188g) 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 (800:060) has prerequisite of MATH 1140 (800:046), or MATH 1110 (800:043) and MATH 1130 (800:044), or equivalent.
*	A project course must be taken as one of the three in the specialty area.
#	MATH 1420 (800:060), MATH 1421 (800:061), and CS 4740/5740 (810:174g) are 4-hour courses. CS 3610/5610 (810:161g) is a 4-hour course if taken with lab.
†	CS 4880/5880 (810:188g) 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 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 126 hours.

Required

Mathematics:

MATH 1420 (800:060)	Calculus I [^]	4
MATH 1421 (800:061)	Calculus II	4

Computer Science:

CS 1410 (810:041)	Computer Organization	3
CS 1510 (810:051)	Introduction to Computing	4
CS 1520 (810:052)	Data Structures	4
CS 1800 (810:080)	Discrete Structures	3
CS 3430/5430 (810:143g)	Operating Systems	3
CS 3470/5470 (810:147g)	Networking	3
CS 3730/5730 (810:173g)	Project Management	1
CS 4400/5400 (810:140g)	System Administration	3
CS 4410/5410 (810:141g)	System Security	3
CS 4420	Applied Systems Forensics	3
CS 4800 (810:180)	Undergraduate Research in Computer Science (1 hr.)	1

Physics:

PHYSICS 4300/5300 (880:152g)	Introduction to Electronics	4
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Choose ONE of the following sequences: 8

PHYSICS 1511 (880:054)	General Physics I
PHYSICS 1512 (880:056)	General Physics II
OR	
PHYSICS 1701 (880:130)	Physics I for Science and Engineering
PHYSICS 1702 (880:131)	Physics II for Science and Engineering

Electives 6

Computer Science:	
from courses numbered 2420 or above, excluding CS 2880 (810:088), CS 3110, and CS 3510 (810:151) *	
Technology:	
TECH 1037 (330:037)	Introduction to Circuits
TECH 1039 (330:039)	Circuits and Systems

TECH 2041 (330:041)	Introduction to Analog Electronics
TECH 3152 (330:152)	Advanced Analog Electronics
TECH 3156 (330:156)	Advanced Digital Electronics
TECH 4103/5103 (330:103g)	Electronic Communications
TECH 4104/5104 (330:104g)	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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Computer Science:

CS 1410 (810:041)	Computer Organization	3
CS 1510 (810:051)	Introduction to Computing	4
CS 1520 (810:052)	Data Structures	4
CS 1800 (810:080)	Discrete Structures	3
CS 2530 (810:053)	Intermediate Computing	3
CS 3730/5730 (810:173g)	Project Management	1

Electives

Mathematics:

Select two of the following: 6

MATH 1420 (800:060)	Calculus I ^{^,#}
MATH 1421 (800:061)	Calculus II [#]
MATH 2500 (800:076)	Linear Algebra for Applications
MATH 3440/5440 (800:176g)	Numerical Analysis
MATH 3530/5530 (800:143g)	Combinatorics
MATH 3752/5752 (800:152g)	Introduction to Probability
STAT 1772 (800:072)	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 (810:153)	Design and Analysis of Algorithms
CS 3540 (810:154)	Programming Languages and Paradigms
CS 3810/5810 (810:181g)	Theory of Computation
CS 4550/5550 (810:155g)	Translation of Programming Languages *

List of Programs by Department

CS 4880/5880 (810:188g)	Topics in Computer Science [†]	
Data and Applications:		
CS 3140/5140 (810:114g)	Database Systems	
CS 3150/5150 (810:115g)	Information Storage and Retrieval	
CS 3610/5610 (810:161g)	Artificial Intelligence [#]	
CS 3650/5650 (810:166g)	Computational Biology	
CS 4620/5620 (810:162g)	Intelligent Systems [*]	
CS 4880/5880 (810:188g)	Topics in Computer Science [†]	
Software Engineering:		
CS 2720 (810:172)	Software Engineering	
CS 3120/5120 (810:112g)	User Interface Design	
CS 3750/5750 (810:175g)	Software Verification and Validation	
CS 4740/5740 (810:174g)	Real-Time Embedded Systems ^{*,#}	
CS 4880/5880 (810:188g)	Topics in Computer Science [†]	
Systems:		
CS 2420 (810:142)	Computer Architecture and Parallel Programming	
CS 3430/5430 (810:143g)	Operating Systems	
CS 3470/5470 (810:147g)	Networking	
CS 4400/5400 (810:140g)	System Administration	
CS 4410/5410 (810:141g)	System Security [*]	
CS 4420	Applied Systems Forensics [*]	
CS 4880/5880 (810:188g)	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 (800:060) has prerequisite of MATH 1140 (800:046), or MATH 1110 (800:043) and MATH 1130 (800:044), or equivalent.

^{*} A project course must be taken as one of the three in the specialty area.

[#] MATH 1420 (800:060), MATH 1421 (800:061), and CS 4740/5740 (810:174g) are 4-hour courses. CS 3610/5610 (810:161g) 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 Computer Science major cannot also receive a Computer Science minor.

Required

Computer Science:		
CS 1410 (810:041)	Computer Organization	3
CS 1510 (810:051)	Introduction to Computing	4
CS 1520 (810:052)	Data Structures	4
CS 1800 (810:080)	Discrete Structures	3

CS 2530 (810:053)	Intermediate Computing	3
Electives		
any Computer Science course that counts toward the Computer Science B.A. major		9
Total Hours		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 Applications

Required

CS 1000 (810:021)	Computing Skills and Concepts	3
CS 1010 (810:022)	Microcomputer Applications and Systems Integration	3
CS 1020 (810:023)	Microcomputer Systems	3

Electives

Computer Science:		3
CS 1130 (810:030)	Visual BASIC Programming	
CS 2880 (810:088)	Topics in Computing	
Other courses pre-approved by the Computer Science Department		
Total Hours		12

Certificate in Computer Science

A student with a Computer Science major cannot also receive a Certificate in Computer Science.

Required

Computer Science:		
one course from the following:		3-4
CS 1120 (810:056)	Media Computation	
CS 1130 (810:030)	Visual BASIC Programming	
CS 1140	Programming Environments for Secondary Education	
CS 1150	Programming Environments for Elementary Education	
CS 1160 (810:036)	C/C++ Programming	
CS 1510 (810:051)	Introduction to Computing	
CS 1520 (810:052)	Data Structures	4
Two courses, from ONE of the following groups:		6
Group 1:		
CS 1800 (810:080)	Discrete Structures	
CS 2530 (810:053)	Intermediate Computing	
or Group 2:		
CS 1410 (810:041)	Computer Organization	

CS 2420 (810:142)

Computer Architecture and
Parallel Programming

Total Hours

13-14

Department of Curriculum and Instruction

(College of Education)

www.uni.edu/coe/departments/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
- Elementary Education-Teaching (K-6 General Classroom Teacher)
- Middle Level Education Dual Major-Teaching

Minors

- Educational Technology
- Literacy Education-Teaching

Graduate Majors (M.A.)

- Instructional Technology
- 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 (to view all Doctor of Education requirements on the website go to www.uni.edu/catalog/collegeofeducation or for pdf version go to "College of Education" under "Interdisciplinary" section)

Program Certificates

- Education of the Gifted
- Instructional Technology Facilitator
- Advanced Studies Certificate: Literacy Coach
- Advanced Studies Certificate: Reading Recovery Teacher Leader

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 Liberal Arts Core requirements, the Professional Education Requirements, the specified major

requirements, plus electives to complete a minimum of 120 hours. The prescribed program is as follows:

Students must have a 2.5 UNI GPA and a 2.5 Cumulative GPA to declare this major.

Students majoring in Elementary Education, Early Childhood Education or Middle Level Education may not **repeat or withdraw** from any courses within the ELEMECML, INSTTECH, 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 (220:150)	Meeting the Needs of Diverse Learners in Classrooms	2
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Instructional Technology:

INSTTECH 1031 (240:031)	Educational Technology and Design	3
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TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application (*)	3
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* 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
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EDPSYCH 2030 (200:030)	Dynamics of Human Development	3
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Level II

(Before enrolling in Level II, the student must be fully admitted to the Teacher Education Program.)

TEACHING 3128	Level 2 Field Experience: Teacher as a Change Agent	1
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Educational Psychology:

EDPSYCH 3148 (200:148)	Learning and Motivation in Classroom Contexts	3
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Level III

(Before enrolling in Level III, the student must be fully admitted to the Teacher Education Program.)

List of Programs by Department

Social Foundations:

SOCFOUND 3119 (260:119)	Schools and American Society	3
Teaching:		12
TEACHING 3132 (280:132)	Early Childhood Teaching	
Total Hours Professional Education Requirements-Early Childhood		31

II. Early Childhood Education Major Requirements

Required:

Educational Psychology:		3
EDPSYCH 3109	Development and Assessment of Young Children	
Elementary, Early Childhood, and Middle Level Education:		20
ELEMECML 3149/5149	Child, Family, School and Community Relationships	
ELEMECML 3161 (210:161)	Teaching Elementary School Science	
ELEMECML 3164 (210:164)	Teaching Elementary School Social Studies	
ELEMECML 4121/5121 (210:121g)	Infant and Toddler Curriculum and Guidance	
ELEMECML 4130/5130 (210:130g)	Guidance and Instruction in Early Childhood Education	
ELEMECML 4151/5151 (210:151g)	Early Childhood Curriculum Development and Organization	
ELEMECML 4160/5160	Administration of Programs in Early Childhood	
ELEMECML 4192/5192 (210:192g)	Experience	
Literacy Education:		9
LITED 1044 (230:044)	Children's Literature	
LITED 3115 (230:115)	Methods of Teaching Early Literacy	
LITED 3119/5119 (230:119)	Language Development and Emergent Literacy	
Mathematics:		12
MATH 1204	Mathematical Reasoning for Elementary Teachers I	
MATH 2204	Mathematical Reasoning for Elementary Teachers II	
MATH 3203 (800:134)	Teaching Mathematics in the Elementary School	
MATH 3204	Mathematical Reasoning for Elementary Teachers III	
Life Science course:		3-4
SCI ED 1200 (820:032)	Inquiry into Life Science (recommended)	
OR		
Any life/biological (BIOL xxxx/840:xxx) science course		
Physical Science course:		3-4
SCI ED 1300 (820:031)	Inquiry into Physical Science (recommended)	
OR		

Any chemistry (CHEM xxxx/860:xxx) or physics (PHYSICS xxxx/880:xxx)

Earth/Space Science:		3-4
One course from the following:		
SCI ED 1100 (820:033)	Inquiry into Earth and Space Science (recommended)	
EARTHSCI 1100 (870:010)	Astronomy	
EARTHSCI 1200 (870:021)	Elements of Weather	
EARTHSCI 1300 (870:031)	Introduction to Geology	
Special Education:		4
SPED 4140/5140 (220:140g)	Services to Families with Infants and/or Toddlers with Developmental Delays or Disabilities	
SPED 4192/5192 (220:192g)	Experience in Special Education	
Total hours		57-60

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 (210:161)	Teaching Elementary School Science	3
ELEMECML 3164 (210:164)	Teaching Elementary School Social Studies	3
ELEMECML 4121/5121 (210:121g)	Infant and Toddler Curriculum and Guidance	2
ELEMECML 4130/5130 (210:130g)	Guidance and Instruction in Early Childhood Education	3
ELEMECML 4151/5151 (210:151g)	Early Childhood Curriculum Development and Organization	3
LITED 3115 (230:115)	Methods of Teaching Early Literacy	3
MATH 3203 (800:134)	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)

Students must have a 2.5 UNI GPA and a 2.5 Cumulative GPA to declare this major.

Students majoring in Elementary Education, Early Childhood Education or Middle Level Education may not **repeat or withdraw** from any courses within the ELEMECML, INSTTECH, 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 Liberal Arts Core requirements, the Professional Education Requirements, the major requirements, a 12-hour area of specialization, 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 (220:150)	Meeting the Needs of Diverse Learners in Classrooms	2
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Instructional Technology:

INSTTECH 1031 (240:031)	Educational Technology and Design *	3
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Human Relations:

TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application **	3
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* Students must select INSTTECH 1031 (240:031) Educational Technology and Design in place of INSTTECH 1020 (240:020) 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 (200:030)	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: Teacher as a Change Agent	1
EDPSYCH 3148 (200:148)	Learning and Motivation in Classroom Contexts	3
MEASRES 3150 (250:150)	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 (260:119)	Schools and American Society	3
Teaching:		12
TEACHING 3134 (280:134)	Elementary Teaching	
Total hours Professional Education Requirements-Elementary Education		33

II. Elementary Education Major Requirements

Required:

Elementary, Early Childhood, and Middle Level Education: 15

ELEMECMML 3120 (210:120) Classroom Management K-8

ELEMECMML 3161 (210:161) Teaching Elementary School Science

ELEMECMML 3164 (210:164) Teaching Elementary School Social Studies

ELEMECMML 4123/5123 (210:123g) Methods of Teaching Visual and Performing Arts Integration in the Elementary Classroom

ELEMECMML 4150 (210:152g) Elementary Curriculum

Literacy Education: 9

LITED 1044 (230:044) Children's Literature

LITED 3115 (230:115) Methods of Teaching Early Literacy

LITED 3116 (230:116) 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 for Elementary Teachers I 3

MATH 2204 Mathematical Reasoning for Elementary Teachers II 3

MATH 3204 Mathematical Reasoning for Elementary Teachers III 3

MATH 3203 (800:134) Teaching Mathematics in the Elementary School 3

Life Science course: 3-4

SCI ED 1200 (820:032) Inquiry into Life Science (recommended)

OR

Any life/biological (BIOL xxxx/840:xxx) science course

Physical Science course: 3-4

SCI ED 1300 (820:031) Inquiry into Physical Science (recommended)

OR

Any chemistry (CHEM xxxx/860:xxx) or physics (PHYSICS xxxx/880:xxx)

Earth/Space Science: 3-4

List of Programs by Department

One course from the following:	
SCI ED 1100 (820:033)	Inquiry into Earth and Space Science (recommended)
EARTHSCI 1100 (870:010)	Astronomy
EARTHSCI 1200 (870:021)	Elements of Weather
EARTHSCI 1300 (870:031)	Introduction to Geology
Total Hours	48-51

* Middle Level/Elementary Education double majors may substitute LITED 4117/5117 (230:117g) Methods of Teaching Content Literacy at the Middle and Secondary Levels for LITED 3116 (230:116) Methods of Teaching Content Literacy in the Intermediate Grades.

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 (210:120)	Classroom Management K-8
ELEMECML 3161 (210:161)	Teaching Elementary School Science
ELEMECML 3164 (210:164)	Teaching Elementary School Social Studies

Literacy Education:

LITED 3116 (230:116)	Methods of Teaching Content Literacy in the Intermediate Grades
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Mathematics:

MATH 3203 (800:134)	Teaching Mathematics in the Elementary School
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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 (210:152g) 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 (210:120)	Classroom Management K-8	3
ELEMECML 3161 (210:161)	Teaching Elementary School Science	3
ELEMECML 3164 (210:164)	Teaching Elementary School Social Studies	3
LITED 3115 (230:115)	Methods of Teaching Early Literacy	3
LITED 3116 (230:116)	Methods of Teaching Content Literacy in the Intermediate Grades	3

MATH 3203 (800:134)	Teaching Mathematics in the Elementary School	3
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Students should apply for their student teaching one year in advance.

III. Area of Specialization

Students will include a 12-hour area of specialization. Liberal Arts Core courses may be counted in 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:

Basic Science (K-8)-Teaching (listed in Science and Science Education)
 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)
 Social Studies (K-8)-Teaching (listed below)
 Special Education-Teaching (listed in Department of Special Education)

Endorsement 103 must be completed with an Elementary Education K-6 Major. The endorsement requires these courses:

EDPSYCH 2030 (200:030)	Dynamics of Human Development	3
MEASRES 3150 (250:150)	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 (210:130g)	Guidance and Instruction in Early Childhood Education	3
ELEMECML 4151/5151 (210:151g)	Early Childhood Curriculum Development and Organization	3
ELEMECML 4192/5192 (210:192g)	Experience (2 hrs.)	2
LITED 3119/5119 (230:119)	Language Development and Emergent Literacy	3
Total Hours		22

Social Studies Minor (K-8)-Teaching

Required:

Elementary, Early Childhood, and Middle Level Education:		3
ELEMECML 4143/5143 (210:143g)	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/400:xxx)		
Economics (ECON xxxx/920:xxx)		
American Government (POL AMER xxxx/942:xxx)		
History: (HIST xxxx/960:xxx) (HISUS xxxx/961:xxx) (HISEUA xxxx/962:xxx) (HISEUB xxxx/963:xxx) (HISNW xxxx/964:xxx)		

Geography (GEOG xxxx/970:xxx)

Sociology (SOC xxxx/980:xxx) (CRIM xxxx/982:xxx)

In addition to the course work in three areas above, courses may be taken from:

Social Science (SOC SCI xxxx/900:xxx)

Anthropology (ANTH xxxx/990:xxx)

Total Hours 24

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. This major leads to State of Iowa Middle School Endorsement. Students will complete Liberal Arts Core 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.

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 must have a 2.5 UNI GPA and a 2.5 Cumulative GPA to declare this major.

Students majoring in Elementary Education, Early Childhood Education or Middle Level Education may not **repeat or withdraw** from any courses within the EMECML, INSTTECH, 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 (200:152g)	Development of the Middle School Aged Child
Middle Level Education:	8
EMECML 3120 (210:120)	Classroom Management K-8
or EDPSYCH 4151/5151 (200:151g)	Approaches to Classroom Management for Secondary Students
EMECML 4135/5135 (210:135g)	Middle Level Instruction, Differentiation, and Assessment
EMECML 4152/5152 (210:150g)	Middle Level Curriculum
Literacy Education:	4

LITED 4117/5117 (230:117g)

Methods of Teaching Content Literacy at the Middle and Secondary Levels

LITED 4155/5155 (230:155g)

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 Liberal Arts Core 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:

EMECML 3120 (210:120)	Classroom Management K-8	3
EMECML 4135/5135 (210:135g)	Middle Level Instruction, Differentiation, and Assessment	3
LITED 4117/5117 (230:117g)	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:

EMECML 3120 (210:120)	Classroom Management K-8	3
EMECML 4135/5135 (210:135g)	Middle Level Instruction, Differentiation, and Assessment	3
EMECML 4152/5152 (210:150g)	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 (280:137) and TEACHING 3134 (280:134) or TEACHING 3138 (280:138) for a total of 12 hours.

Minors

Educational Technology Minor

The Educational Technology Minor has 6 designated courses, however 2 of the courses [INSTTECH 4110/5110 and INSTTECH 4138/5138 (240:138g)] 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:		
INSTTECH 1020 (240:020)	Secondary Educational Technology and Design	2-3
or INSTTECH 1031 (240:031)	Educational Technology and Design	
INSTTECH 1030 (240:030)	Creating Technology-Enhanced Learning Environments	3
INSTTECH 4110/5110	Developing and Designing Online Learning	3
INSTTECH 4131/5131 (240:131g)	Exploring Issues and Trends in Instructional Technology	3
INSTTECH 4138/5138 (240:138g)	Understanding Visual Literacy	3
INSTTECH 4139/5139 (240:139g)	Planning and Producing Instructional Media	3
Total Hours		17-18

Literacy Education Minor -Teaching

Required:

Literacy Education:		4
LITED 4140/5140	Assessment and Evaluation of Literacy	
LITED 4193/5193 (230:193g)	Experience in Literacy: Field	
Course work chosen for appropriate endorsement		21
Total Hours		25

Reading K-8 Endorsement

Literacy Education:

LITED 1044 (230:044)	Children's Literature	3
LITED 3115 (230:115)	Methods of Teaching Early Literacy	3
LITED 3116 (230:116)	Methods of Teaching Content Literacy in the Intermediate Grades	3
or LITED 4117/5117 (230:117g)	Methods of Teaching Content Literacy at the Middle and Secondary Levels	
LITED 3119/5119 (230:119)	Language Development and Emergent Literacy	3
LITED 3121/5121 (230:121)	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 (230:119)	Language Development and Emergent Literacy	3
or TESOL 4510/5510 (630:165g)	Language Development	
LITED 4117/5117 (230:117g)	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 (620:040)	Multicultural Literature	3
or ENGLISH 2420 (620:053)	Survey of American Literature	
ENGLISH 4940/5940 (620:165g)	Literature for Young Adults	3
ENGLISH 4920/5920 (620:193g)	The Teaching of Writing	3
or TESOL 4120/5120 (630:125g)	Introduction to Linguistics	
or TESOL 4110/5110 (630:130g)	The Structure of English	
Total Hours		21

English/Language Arts K-8 Endorsement

Literacy Education:

LITED 1044 (230:044)	Children's Literature	3
LITED 3115 (230:115)	Methods of Teaching Early Literacy	3
LITED 3116 (230:116)	Methods of Teaching Content Literacy in the Intermediate Grades	3
or LITED 4117/5117 (230:117g)	Methods of Teaching Content Literacy at the Middle and Secondary Levels	
LITED 3119/5119 (230:119)	Language Development and Emergent Literacy	3
LITED 3121/5121 (230:121)	Children's Literature for Diversity and Social Justice	3
Languages and Literatures/Linguistics:		
ENGLISH 2520 (620:040)	Multicultural Literature	3
or ENGLISH 2420 (620:053)	Survey of American Literature	
or ENGLISH 4940/5940 (620:165g)	Literature for Young Adults	
Theatre:		
THEATRE 3000 (490:101)	Creative Drama	3

or ELEMECML 4123/5123 (210:123g)	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 (230:119) 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.

Master of Arts Degree Programs

Major in Instructional Technology

This major is designed to prepare educators for a variety of professional positions in educational settings, including school building level, school district level, and alternative 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 Curriculum and Instruction for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/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 both the **thesis** and **non-thesis** options, and requires a **minimum of 33-45 semester hours depending on the option chosen. A minimum of 15 semester hours of 200/6000-level course work is required for the thesis option. A minimum of 12 semester hours of 200/6000-level course work is required for the non-thesis option.**

All 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. A student completing the thesis option must include 6 hours of INSTTECH 6299 (240:299) 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:

INSTTECH 4131/5131 (240:131g)	Exploring Issues and Trends in Instructional Technology	3
INSTTECH 6232 (240:232)	Selecting and Integrating Instructional Technology	3
INSTTECH 4139/5139 (240:139g)	Planning and Producing Instructional Media	3
INSTTECH 6240 (240:240)	Understanding Instructional Design	3

INSTTECH 6237 (240:237)	Leading Change Through Instructional Technology	3
MEASRES 6205 (250:205)	Educational Research	3
INSTTECH 6250	Writing a Graduate Paper/ ePortfolio	3
INSTTECH 6299 (240:299)	Research	3 or 6
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		
Electives: Choose Option 1 or 2 below:		6-18
Option 1 (6 hours - thesis) (9 hours - non-thesis)		
Option 2 (18 hours)		
Total hours Option 1 - thesis or non-thesis option		33
Total hours Option 2 thesis option		45
Total hours Option 2 non-thesis option		42

Option 1

Electives:

Educational Psychology:		
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
Instructional Technology:		
INSTTECH 4138/5138 (240:138g)	Understanding Visual Literacy	3
INSTTECH 4153/5153 (240:153g)	Using Digital and Social Media in Education	3
INSTTECH 4170/5170 (240:170g)	Supporting Learning with Dynamic Web Design	3
INSTTECH 6260 (240:260)	Advanced Instructional Technology Projects	1-4
INSTTECH 6285 (240:285)	Readings in Instructional Technology	1-3
INSTTECH 6286 (240:286)	Studies in Instructional Technology	1-4
INSTTECH 6297 (240:297)	Practicum in Instructional Technology	1-4
INSTTECH 4110/5110	Developing and Designing Online Learning	3

Option 2

Electives:

School Library Studies:		
SLS 4114/5114 (350:114g)	Introduction to the School Library Program	3
SLS 4115/5115 (350:115g)	Organization of Information	3
SLS 4132/5132 (350:132g)	Library Resources for Children	3
or SLS 4134/5134 (350:134g)	Library Resources for Young Adults	
SLS 6225 (350:225)	Leadership in the School Library Program	3
SLS 6250 (350:250)	Information Resources for Inquiry Learning	3
SLS 6290 (350:290)	Practicum (3 hrs.)	3

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 www.grad.uni.edu/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 **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 200/6000-level course work is required for the thesis option. A minimum of 12 hours of 200/6000-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 the 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 (350:114g)	Introduction to the School Library Program	
SLS 4115/5115 (350:115g)	Organization of Information	
SLS 4132/5132 (350:132g)	Library Resources for Children	
SLS 4134/5134 (350:134g)	Library Resources for Young Adults	
SLS 6223 (350:223)	School Library Curriculum Development	
SLS 6225 (350:225)	Leadership in the School Library Program	
SLS 6230 (350:230)	Technologies for Libraries	
SLS 6250 (350:250)	Information Resources for Inquiry Learning	
SLS 6290 (350:290)	Practicum	
SLS 6295 (350:295)	Research in Library and Information Science	
Research:		3 or 6
SLS 6299 (350:299)	Research	
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		

Thesis Option	36
Non-thesis Option	33

Students who have previous course work which is equivalent to required courses are encouraged to take elective courses in instructional technology, gifted education, postsecondary education, or other education-related programs.

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 www.grad.uni.edu/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.

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 (210:299) 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.

The program may be extended by students wishing to complete the State of Iowa licensure endorsement for Early Childhood Education.

Required professional core:		
MEASRES 6205 (250:205)	Educational Research	3
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
Curriculum and Instruction:		
ECE 6201	Issues and Trends in Early Childhood Curriculum	2

List of Programs by Department

ELEMECML 6205	Technology in Early Childhood Education	2
ELEMECML 6210	Diversity in Early Childhood Education: Theory and Practice	3
LITED 6212 (230:212)	Methods and Materials in Literacy Education	3
ELEMECML 6214 (210:214)	Recent Research in Early Childhood Education	3
ELEMECML 6221 (210:221)	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 (210:299) 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 www.grad.uni.edu/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.

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 (210:299) Research on the program of study. Students completing the **non-thesis** option are required to complete the department graduate research requirement.

The program may be extended by students wishing to complete the State of Iowa licensure endorsement for Elementary Education.

Required Professional Core:

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
MEASRES 6205 (250:205)	Educational Research	3
Curriculum and Instruction:		
LITED 6212 (230:212)	Methods and Materials in Literacy Education	3
ELEMECML 6201 (210:201)	Issues and Trends in Curriculum	3
ELEMECML 4141/5141 (210:141g)	Integrated Activities in Elementary School STEM	3
ELEMECML 6242 (210:242)	Analysis and Improvement of Science Instruction in the Elementary School	3
ELEMECML 6243 (210:243)	Analysis and Improvement of Social Studies Instruction in the Elementary School	3
ELEMECML 6289 (210:289)	Seminar in Education	6
Research:		3 or 6
ELEMECML 6299 (210:299) 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 www.grad.uni.edu/admission.

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 33 semester hours.**

List of Programs by Department

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 (230:299) 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.

The program may be extended by students wishing to complete any of the four State of Iowa licensure endorsements: K-8 Reading, Reading Specialist, English/Language Arts K-8, or Secondary Reading.

Required Professional Core:

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
MEASRES 6205 (250:205)	Educational Research	3
Literacy Education:		21
LITED 6212 (230:212)	Methods and Materials in Literacy Education	
LITED 6238 (230:238)	Advanced Assessment and Evaluation of Literacy Development	
LITED 6239 (230:239)	Advanced Literacy Studies	
LITED 6240 (230:240)	Language Development and Variability	
LITED 6245 (230:245)	Ideological, Cultural, and Sociopolitical Issues in Children's Literature	
LITED 6260 (230:260)	Roles of the Reading Specialist	
LITED 6290 (230:290)	Practicum	
Literacy Education Research Requirement:		3 or 6
LITED 6299 (230:299)	Research	
Thesis Option (6 hours)		
Non-thesis Option (3 hours)		
Approved Electives:		0 or 3
Thesis Option (0 hours)		
Non-thesis Option (3 hours)		
ELEMECML 6201 (210:201)	Issues and Trends in Curriculum	
LITED 6289 (230:289)	Seminar	
Total hours		33

Doctor of Education Degree Program

(To view all Doctor of Education requirements on the website go to www.uni.edu/catalog/collegeofeducation or for PDF version go to "College of Education" under "Interdisciplinary" section.)

Students interested in the 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 or contact

the appropriate Intensive Study Area (ISA) for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. The Graduate Record Examination (GRE) **is** required for admission to the program.

This program is intended to provide practicing educators, in formal 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 60 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)	27
Advanced Professional Study (in one of three areas of intensive study)	27
Dissertation	6
Total Hours	60

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 three areas of intensive study provide for a specialized focus on practice. The three intensive study areas (ISAs) are:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*
- *Educational Leadership*

Note: Students interested in special education with 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 three 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 individual well-being and quality of life. Each of these areas contributes unique and different professional perspectives, yet, at the same time, focuses on the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, athletic administration, administrators of community nonprofit organizations, youth serving agencies, public parks and recreation agencies, foundations, and government agencies. The program of study will be based upon student's needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Chair of Leisure, Youth and Human Services, Health Promotion and Education, or Athletic Training in 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, 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 Leadership and Postsecondary Education. (For more information, contact the Head, Department of Educational Leadership and Postsecondary Education, or please see the catalog at www.uni.edu/catalog.uni.edu/collegeofeducation/educationalleadershipandpostsecondaryeducation or visit the Department of Educational Leadership and Postsecondary Education website at www.uni.edu/coe/departments/educational-leadership-postsecondary-education.)

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

Instructional Technology Facilitator Certificate

Required:

Instructional Technology:		18
INSTTECH 4131/5131 (240:131g)	Exploring Issues and Trends in Instructional Technology	
INSTTECH 4153/5153 (240:153g)	Using Digital and Social Media in Education	
INSTTECH 4170/5170 (240:170g)	Supporting Learning with Dynamic Web Design	
INSTTECH 6232 (240:232)	Selecting and Integrating Instructional Technology	
INSTTECH 6237 (240:237)	Leading Change Through Instructional Technology	
INSTTECH 6260 (240:260)	Advanced Instructional Technology Projects	
Total Hours		18

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 his/her 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		

List of Programs by Department

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 (230:304)	Literacy Leadership I	3
LITED 7307 (230:307)	Theories of Reading and Writing Processes	3
ELEMECML 6201 (210:201)	Issues and Trends in Curriculum	3
Spring:		
LITED 7305 (230:305)	Literacy Leadership II	3
LITED 7306 (230:306)	Theories of Reading Difficulties	3
LITED 6260 (230:260) or LITED 7397 (230:397)	Roles of the Reading Specialist Practicum in Reading	3
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 become 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
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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 (230:397)	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, district, 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 (230:302)	Reading Recovery Teacher Leader Clinical I	3
LITED 7304 (230:304)	Literacy Leadership I	3
LITED 7307 (230:307)	Theories of Reading and Writing Processes	3

Spring:

LITED 7303 (230:303)	Reading Recovery Teacher Leader Clinical II	3
LITED 7305 (230:305)	Literacy Leadership II	3
LITED 7306 (230:306)	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 (also listed in Department of Biology)

Undergraduate Majors (B.A.)

- Earth Science
- Earth Science-Teaching
- Environmental Resource Management (also listed in Department of Geography, Department of Biology and Department of Health, Recreation and Community Services)
- Environmental Science

Minors

- Air Quality
- Astronomy
- Earth Science
- Earth Science-Teaching

- Environmental Earth Science
- Geology

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 major 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.*

Required Core		32
BIOL 2051 (840:051)	General Biology: Organismal Diversity	
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science**	
CHEM 1110 (860:044)	General Chemistry I	
CHEM 1120 (860:048)	General Chemistry II	
EARTHSCI 1200 (870:021)	Elements of Weather	
EARTHSCI 1300 (870:031)	Introduction to Geology	
GEOG 3310 (970:164)	Geographic Information Systems I	
MATH 1420 (800:060)	Calculus I	
BIOL 3190 (840:190)	Undergraduate Research in Biology**	
or EARTHSCI 4400 (870:180)	Undergraduate Research in Earth Science	
Environmental Life Sciences Track		33
Required:		7
BIOL 4157/5157 (840:157g)	Biostatistics**	
BIOL 4168/5168 (840:168g)	Ecology**	
Electives:		26
Pick courses from each of the three categories (A, B, & C) to accumulate to a minimum of 26 hours.		

List of Programs by Department

Category A - Content Policy Related Courses (select a minimum of 2 courses)

BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management **
BIOL 4108/5108	Biodiversity Conservation Policy **
BIOL 4167/5167 (840:167g)	Conservation Biology **

Category B - Content Biology Related Courses (select a minimum of 2 courses)

BIOL 3112 (840:112)	Invertebrate Zoology
BIOL 3120 (840:120)	Plant Diversity and Evolution
BIOL 3170 (840:170)	Entomology
BIOL 4154/5154 (840:154g)	Aquatic Ecology
BIOL 4164/5164 (840:164g)	Mammalogy
BIOL 4166/5166 (840:166g)	Plant Systematics
BIOL 4180/5180 (840:180g)	Restoration Ecology

Category C - Cognates (select a minimum of 2 courses)

CHEM 2040	Applied Organic and Biochemistry
or CHEM 2210 (860:120)	Organic Chemistry I
EARTHSCI 1320 (870:035)	Earth History
EARTHSCI 3210/5210 (870:121g)	Meteorology
EARTHSCI 3230/5230 (870:123g)	Air Quality
EARTHSCI 3310/5310 (870:129g)	Structural Geology
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology
EARTHSCI 3330/5330 (870:141g)	Geomorphology
EARTHSCI 3340/5340 (870:165g)	Oceanography
EARTHSCI 3345/5345 (870:171g)	Environmental Geology
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology
EARTHSCI 3355/5355 (870:175g)	Hydrogeology
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3220 (970:100)	Environmental Geography
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments **
GEOG 4320/5320 (970:174g)	Geographic Information Systems II
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
MATH 1421 (800:061)	Calculus II

Environmental Earth Science Track 33

Required: 13

EARTHSCI 1400	Introduction to Environmental Earth Science
EARTHSCI 3230/5230 (870:123g)	Air Quality
EARTHSCI 3345/5345 (870:171g)	Environmental Geology
EARTHSCI 3350/5350 (870:173g)	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 (870:035)	Earth History
EARTHSCI 3210/5210 (870:121g)	Meteorology
EARTHSCI 3240/5240 (870:124g)	Air Quality Modeling
EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality **
EARTHSCI 3310/5310 (870:129g)	Structural Geology
EARTHSCI 3322	Earth Materials
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology
EARTHSCI 3327/5327	Paleoclimatology
EARTHSCI 3330/5330 (870:141g)	Geomorphology
EARTHSCI 3340/5340 (870:165g)	Oceanography
EARTHSCI 3355/5355 (870:175g)	Hydrogeology
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology

Category B - Cognates (select a minimum of 2 courses)

BIOL 3112 (840:112)	Invertebrate Zoology
BIOL 3120 (840:120)	Plant Diversity and Evolution
BIOL 3170 (840:170)	Entomology **
BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management **
BIOL 4108/5108	Biodiversity Conservation Policy **
BIOL 4154/5154 (840:154g)	Aquatic Ecology **
BIOL 4157/5157 (840:157g)	Biostatistics **
BIOL 4164/5164 (840:164g)	Mammalogy **
BIOL 4166/5166 (840:166g)	Plant Systematics **
BIOL 4167/5167 (840:167g)	Conservation Biology **
BIOL 4168/5168 (840:168g)	Ecology **
BIOL 4180/5180 (840:180g)	Restoration Ecology **
CHEM 2040	Applied Organic and Biochemistry
or CHEM 2210 (860:120)	Organic Chemistry I
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3220 (970:100)	Environmental Geography **
GEOG 4220/5220 (970:126g)	Soils and Landscapes **

GEOG 4230/5230 (970:129g)	Rivers
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments**
GEOG 4320/5320 (970:174g)	Geographic Information Systems II
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
MATH 1421 (800:061)	Calculus II
Total Hours	65

* 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:
 BIOL 3100 (840:100) has prerequisites of BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070).
 BIOL 3190 (840:190) has prerequisites of BIOL 2051 (840:051); BIOL 2052 (840:052).
 BIOL 4157/5157 (840:157g) has prerequisites of MATH 1140 (800:046), or MATH 1120 (800:056) and MATH 1130 (800:044), or MATH 1420 (800:060), or equivalent; BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4168/5168 (840:168g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4105/5105 (840:105g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4108/5108 has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4167/5167 (840:167g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031).
 EARTHSCI 3250/5250 (870:177g) has a prerequisite of EARTHSCI 1200 (870:021) and a prerequisite or corequisite of EARTHSCI 3230/5230 (870:123g).
 BIOL 3170 (840:170) has prerequisites of BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070).
 BIOL 4154/5154 (840:154g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4164/5164 (840:164g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4166/5166 (840:166g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 BIOL 4180/5180 (840:180g) has prerequisites of BIOL 3100 (840:100); BIOL 3140 (840:140).
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 GEOG 4220/5220 (970:126g) has a prerequisite of EARTHSCI 1300 (870:031) or GEOG 1210 (970:026).
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031) or consent of instructor.

Bachelor of Arts Degree Programs

Earth Science Major

The Earth Science major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Mathematics:		
MATH 1140 (800:046)	Precalculus	4
or MATH 1420 (800:060)	Calculus I	
Chemistry and Biochemistry:		
CHEM 1110 (860:044)	General Chemistry I	4
Earth Science:		
EARTHSCI 1100 (870:010)	Astronomy *	4
EARTHSCI 1200 (870:021)	Elements of Weather	3
EARTHSCI 1300 (870:031)	Introduction to Geology	4
EARTHSCI 1320 (870:035)	Earth History	4
Physics:		
PHYSICS 1511 (880:054)	General Physics I	4
or PHYSICS 1701 (880:130)	Physics I for Science and Engineering	
Electives in earth science: 100/3000/4000-level^ courses **		18
Total Hours		45

* EARTHSCI 1100 (870:010) must be taken for four semester hours of credit.

** 100/3000/4000-level credits in earth science must include at least one course from each of astronomy, geology, and meteorology. In addition, at least 2 hours must be from either EARTHSCI 3410/5410 (870:137g), EARTHSCI 3179 (870:179) "Cooperative Education", EARTHSCI 4400 (870:180), EARTHSCI 3430 (870:195), or another appropriate experiential learning course approved by the student's advisor and the department head.

^ See course section for 4-digit numbers associated with these 100-level courses.

Earth Science Major-Teaching

The Earth Science-Teaching major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Science and Science Education:		
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	4
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
TEACHING 3129	Secondary and Special-Area Classroom Management	1
Chemistry and Biochemistry:		5-8
CHEM 1110 (860:044)	General Chemistry I	
& CHEM 1120 (860:048)	and General Chemistry II	

List of Programs by Department

or CHEM 1130 (860:070) General Chemistry I-II		
Earth Science:		
EARTHSCI 1100 (870:010)	Astronomy *	4
EARTHSCI 1200 (870:021)	Elements of Weather	3
EARTHSCI 1210 (870:022)	Elements of Weather Laboratory	1
EARTHSCI 1300 (870:031)	Introduction to Geology	4
EARTHSCI 1320 (870:035)	Earth History	4
EARTHSCI 3210/5210 (870:121g)	Meteorology	4
Physics:		
PHYSICS 1511 (880:054)	General Physics I	4
PHYSICS 1512 (880:056)	General Physics II	4
Electives in earth science: 100/3000/4000-level courses ^, **		6
Total Hours		47-50

* EARTHSCI 1100 (870:010) must be taken for four semester hours of credit.

** Excluding the following Courses: EARTHSCI 3186/4186/5186 (870:186/870:186g) "Studies in", EARTHSCI 3420/5420 (870:189g), EARTHSCI 3430 (870:195), EARTHSCI 4198 (870:198) "Independent Study".

^ See course descriptions for 4-digit numbers associated with these 100-level courses.

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 KAHHS 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.
- 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 (840:051)	General Biology: Organismal Diversity	4
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science*	3
CHEM 1110 (860:044)	General Chemistry I	4
EARTHSCI 1300 (870:031)	Introduction to Geology	4
or		
GEOG 1210 (970:026) & GEOG 1211	Physical Geography and Physical Geography Laboratory	
EARTHSCI 3330/5330 (870:141g)	Geomorphology	4
GEOG 4260	Environmental Resource Management	3
GEOG 3310 (970:164)	Geographic Information Systems I	3
LYHS 4055 (430:151)	Financial Resource Management for LYHS Agencies	3
HISUS 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 (840:052) and CHEM 1120 (860:048) prerequisites for enrollment into BIOL 3100 (840:100).

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Dept. 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 (Dept. 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 (840:168g)	Ecology **	4
CHEM 1120 (860:048)	General Chemistry II	4
MATH 1140 (800:046)	Precalculus	4

Electives: 20**Category A - Content Management Related Courses (pick at least 1 course)**

BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management **
BIOL 4108/5108	Biodiversity Conservation Policy **
BIOL 4167/5167 (840:167g)	Conservation Biology **
BIOL 4180/5180 (840:180g)	Restoration Ecology **

Category B - Content Related Courses (pick at least 1 course)

BIOL 3112 (840:112)	Invertebrate Zoology *
BIOL 3118	Marine Biology *
BIOL 3170 (840:170)	Entomology *
BIOL 4154/5154 (840:154g)	Aquatic Ecology **
BIOL 4157/5157 (840:157g)	Biostatistics **
BIOL 4164/5164 (840:164g)	Mammalogy **
BIOL 4166/5166 (840:166g)	Plant Systematics **
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 4320/5320 (970:174g)	Geographic Information Systems II

Category C - Cognates (pick at least 1 course)

EARTHSCI 1200 (870:021)	Elements of Weather
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers ^
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography ^
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments ^
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
LYHS/HISUS 4556	History of Outdoor Recreation
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
MGMT 3183	Leadership Skills ^
MGMT 3185	Project Management ^
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion

Total Hours 32

- * For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 (840:052) and CHEM 1120 (860:048) for BIOL 3000-level courses.
- ** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4000-level courses.
- ^ These courses have additional prerequisites as follows:
 ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077) and one of the following - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g) or consent of instructor; junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031); or consent of instructor; junior standing.
 MGMT 3183 and MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 3350/5350 (870:173g)	Environmental Hydrology ^
EARTHSCI 3322	Earth Materials ^
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography * ^
or	
EARTHSCI 3345/5345 (870:171g)	Environmental Geology ***
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4210/5210 (970:127g)	Climatology
or EARTHSCI 1200 (870:021)	Elements of Weather

List of Programs by Department

GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography	
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment	
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation	
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment	
LYHS 2335 (430:060)	Principles of Nonprofit Organizations	
Secondary Focus - Management Cognates		9
BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management **	
BIOL 4180/5180 (840:180g)	Restoration Ecology **	
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology ****	
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology	
ECON 3225/5225 (920:123g)	Environmental Economics ^	
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers ^	
GEOG 3230 (970:144)	Natural Regions of North America	
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning	
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments *	
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic) ^	
GEOG 4320/5320 (970:174g)	Geographic Information Systems II ^	
LYHS 4556/5556	History of Outdoor Recreation	
or HISUS 4556/5556	History of Outdoor Recreation	
LYHS 2770 (430:070)	Principles of Tourism	
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism #	
MGMT 3185	Project Management ^	
POL AMER 3172/5172 (942:172)	Public Budgeting ^	
BIOL 3179 (840:179)	Cooperative Education ^	
or GEOG 3179 (970:179)	Cooperative Education in Geography	
or EARTHSCI 3430 (870:195)	Internship	
or LYHS 4095 (430:187)	Internship	
or HPE 4768 (410:168)	Field Experience in Health Promotion	
GEOG 3179 (970:179)	Cooperative Education in Geography ^	
or BIOL 3179 (840:179)	Cooperative Education	
or EARTHSCI 3430 (870:195)	Internship	
or LYHS 4095 (430:187)	Internship	
or HPE 4768 (410:168)	Field Experience in Health Promotion	

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 (970:026) and GEOG 1211 or EARTHSCI 1300 (870:031) as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 (970:170g) and GEOG 4320/5320 (970:174g).		
**	** The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4105/5105 (840:105g) and BIOL 4180/5180 (840:180g).		
***	*** The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as substitutes for courses that require EARTHSCI 1300 (870:031).		
****	**** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).		
#	# The Department of Health, Recreation and Community Services will waive LYHS 2770 (430:070) as a prerequisite for LYHS 4776/5776 (430:170g).		
^	^ These courses have additional prerequisites as follows: EARTHSCI 3322 has a prerequisite of EARTHSCI 1300 (870:031). EARTHSCI 3350/5350 (870:173g) has prerequisites of EARTHSCI 1300 (870:031); junior standing. GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor. ECON 3225/5225 (920:123g) has prerequisites of ECON 1041 (920:053), ECON 1051 (920:054); junior standing. ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing. GEOG 4310/5310 (970:170g) has prerequisites of GEOG 3310 (970:164); junior standing. GEOG 4320/5320 (970:174g) has prerequisites of GEOG 3310 (970:164) or consent of instructor; junior standing. MGMT 3185 has a prerequisite of MGMT 3153 (150:153). POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048). GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department. LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184). HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 (970:028)	Recent Climate Change
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning
GEOG 3210 (970:137)	Natural Hazards and Disasters
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations
LYHS 2335 (430:060)	Principles of Nonprofit Organizations
LYHS 3337 (430:154)	Human Resource Development for Leisure, Youth and Human Services
LYHS 4115/5115 (430:168g)	Areas and Facilities for Leisure, Youth and Human Services **
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment
LYHS/HISUS 4556	History of Outdoor Recreation
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism ^

Secondary Focus - Cognates 9

BIOL 4167/5167 (840:167g)	Conservation Biology **
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 4320/5320 (970:174g)	Geographic Information Systems II
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication ^
or ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers
HPE 4665/5665 (410:165g)	Environmental Health Science
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4552/5552 (430:130g)	Theory and Practice of Experiential Education
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
LYHS 4779/5779 (430:138g)	Community Planning Workshop
MGMT 3185	Project Management ^
POL AMER 3172/5172 (942:172)	Public Budgeting ^

GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion

Other courses as approved by advisors and program director

Total Hours 30

- * * The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4167/5167 (840:167g).
- ** ** The Geography Department and the Department of Health, Recreation and Community Services will waive LYHS 3060 (430:110) as a prerequisite for enrollment into LYHS 4115/5115 (430:168g).
- ^ ^ These courses have additional prerequisites as follows: LYHS 4776/5776 (430:170g) has prerequisites of LYHS 2770 (430:070) or consent of instructor; junior standing. ENGLISH 4775/5775 (620:105g) has prerequisites of MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing. ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing. MGMT 3185 has a prerequisite of MGMT 3153 (150:153). POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048). GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department. LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184). HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
ECON 3225/5225 (920:123g)	Environmental Economics	3
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3

List of Programs by Department

Primary Focus - Content Related Courses 10

EARTHSCI 1200 (870:021)	Elements of Weather
EARTHSCI 1400	Introduction to Environmental Earth Science
EARTHSCI 3230/5230 (870:123g)	Air Quality [^]
EARTHSCI 3345/5345 (870:171g)	Environmental Geology [*]
or	
GEOG 3220 (970:100)	Environmental Geography
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology [*]

Secondary Focus - Cognates 7

EARTHSCI 3240/5240 (870:124g)	Air Quality Modeling [^]
EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality ^{** ^}
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology ^{***}
EARTHSCI 3355/5355 (870:175g)	Hydrogeology [*]
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
HPE 4665/5665 (410:165g)	Environmental Health Science
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment
MGMT 3153 (150:153)	Organizational Management [*]
MGMT 3185	Project Management [^]
POL AMER 1048 (942:048)	Introduction to Public Administration
GEOG 3179 (970:179)	Cooperative Education in Geography [^]
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion
Other courses as approved by advisors and program director	

Total Hours 32

- ^{*} * The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as a substitute for courses that require EARTHSCI 1300 (870:031).
- ^{**} ** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 (870:123g) as a prerequisite for enrollment into EARTHSCI 3240/5240 (870:124g) and EARTHSCI 3250/5250 (870:177g).
- ^{***} *** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).

- [^] ^ These courses have additional prerequisites as follows:
 EARTHSCI 3230/5230 (870:123g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 EARTHSCI 3240/5240 (870:124g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
 EARTHSCI 3250/5250 (870:177g) has prerequisites of EARTHSCI 1200 (870:021); junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230 (870:123g).
 MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent of Health Promotion and Education Coordinator of Student Field Experiences.

Environmental Science Major

The B.A. Environmental Science major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 (840:051)	General Biology: Organismal Diversity	4
CHEM 1110 (860:044)	General Chemistry I	4
EARTHSCI 1200 (870:021)	Elements of Weather	3
EARTHSCI 1300 (870:031)	Introduction to Geology	4
EARTHSCI 3230/5230 (870:123g)	Air Quality	4
EARTHSCI 3345/5345 (870:171g)	Environmental Geology	3
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology	3
EARTHSCI 3430 (870:195)	Internship	2
or EARTHSCI 4400 (870:180)	Undergraduate Research in Earth Science	

ENV SCI/HPE 4666	Environmental and Occupational Health Regulations	3
GEOG 3310 (970:164)	Geographic Information Systems I	3
MATH 1140 (800:046) or MATH 1420 (800:060)	Precalculus Calculus I	4
STAT 1772 (800:072)	Introduction to Statistical Methods	3
Electives selected for area of professional interest		22
Total Hours		62

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 (870:021)	Elements of Weather	3
EARTHSCI 3210/5210 (870:121g)	Meteorology	4
EARTHSCI 3230/5230 (870:123g)	Air Quality	4
EARTHSCI 3240/5240 (870:124g)	Air Quality Modeling	4
EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality	4
Electives: 8 hours from the following		8
CHEM 1110 (860:044)	General Chemistry I	
CHEM 1120 (860:048)	General Chemistry II	
CHEM 1130 (860:070)	General Chemistry I-II	
CHEM 2310 (860:132)	Chromatography and Quantitative Analysis	
EARTHSCI 3220/5220 (870:122g)	Weather Analysis and Forecasting	
GEOG 2210 (970:028)	Recent Climate Change	
GEOG 3310 (970:164)	Geographic Information Systems I	

Total Hours 27

Astronomy Minor

Required:

EARTHSCI 1100 (870:010)	Astronomy	3-4
EARTHSCI 3130 (870:152)	Stars	2
EARTHSCI 3140 (870:153)	Galaxies and Cosmology	2
EARTHSCI 4150/5150	Astrophysics	3
MATH 1420 (800:060)	Calculus I	4
MATH 1421 (800:061)	Calculus II	4
PHYSICS 1701 (880:130)	Physics I for Science and Engineering	4
PHYSICS 1702 (880:131)	Physics II for Science and Engineering	4

Total Hours 26-27

Earth Science Minor

Required

Courses in Earth Science	20
Total Hours	20

Earth Science Minor-Teaching

Required

Chemistry and Biochemistry:		
CHEM 1110 (860:044)	General Chemistry I	4
Earth Science:		
EARTHSCI 1100 (870:010)	Astronomy *	4
EARTHSCI 1200 (870:021)	Elements of Weather	3
EARTHSCI 1210 (870:022)	Elements of Weather Laboratory	1
EARTHSCI 1300 (870:031)	Introduction to Geology	4
EARTHSCI 1320 (870:035)	Earth History	4
Physics:		
PHYSICS 1511 (880:054)	General Physics I	4
Total Hours		24

* EARTHSCI 1100 (870:010) must be taken for four semester hours of credit.

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 Earth Science Minor

Required:

BIOL 2051 (840:051)	General Biology: Organismal Diversity	4
EARTHSCI 1200 (870:021)	Elements of Weather	3
EARTHSCI 1300 (870:031)	Introduction to Geology	4
EARTHSCI 1400	Introduction to Environmental Earth Science	3
EARTHSCI 3230/5230 (870:123g)	Air Quality	4
EARTHSCI 3345/5345 (870:171g)	Environmental Geology	3
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology	3
GEOG 3310 (970:164)	Geographic Information Systems I	3
Electives: choose one of the following		3

ECON 3225/5225 (920:123g)	Environmental Economics *	
HPE/ENV SCI 4665	Environmental Health Science	
GEOG 2210 (970:028)	Recent Climate Change	
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment	

Total Hours 30

List of Programs by Department

* ECON 3225/5225 has prerequisites of ECON 1041 and ECON 1051.

Geology Minor

Required:

EARTHSCI 1300 (870:031)	Introduction to Geology	4
EARTHSCI 1320 (870:035)	Earth History	4
EARTHSCI 3322	Earth Materials	4
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology	4
EARTHSCI 3330/5330 (870:141g)	Geomorphology	4
EARTHSCI 3355/5355 (870:175g)	Hydrogeology	3

Electives: choose one of the following: 3-4

EARTHSCI 3310/5310 (870:129g)	Structural Geology	
EARTHSCI 3327/5327	Paleoclimatology	
EARTHSCI 3328 (870:125)	Fossils and Evolution	
EARTHSCI 3340/5340 (870:165g)	Oceanography	

Total Hours 26-27

Department of Economics

(College of Business Administration)

www.cba.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

Minor

- Economics-Liberal Arts

- To graduate with a major in Economics a student must:
 - complete ECON 1041 (920:053), ECON 1051 (920:054), ECON 2112 (920:104), and ECON 2122 (920:103) with at least a C- in each course whether taken at UNI or at an institution from which transfer credit for these courses is accepted; and
 - earn a 2.20 grade point average (GPA) for all ECON xxxx/920:xxx courses taken at UNI, except ECON 1021 (920:020), ECON 1031 (920:024), ECON 1011 (920:070), ECON 3077 (920:177), and ECON 3179 (920:179)
- ECON 1021 (920:020) counts toward an Economics major **only** in the Business Economics emphasis and does not count toward the minor
- ECON 1011 (920:070) counts toward an Economics major **only** in the Business Economics and Applied Economic Analysis emphases and does not count toward the minor.
- ECON 1031 (920:024) does not count toward the Economics major or minor.

5. ECON 1041 (920:053) and ECON 1051 (920:054) are minimum prerequisites for all 100/2000/3000/4000-level courses.

6. It is recommended that ECON 2112 (920:104) and ECON 2122 (920:103) 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 CBA major. Eligibility to declare a minor or a second CBA major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNIBusiness Advising (CBB 5) in the College of Business Administration or at <http://business.uni.edu/web/pages/currentstudents/advisingcenter-collegepolicies.cfm>.

Bachelor of Arts Degree Programs

Economics Major

The Economics major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Business Administration, Interdepartmental:		
BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professionals in Training	0
Economics:		
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
ECON 2112 (920:104)	Intermediate Microeconomic Theory	3
ECON 2122 (920:103)	Intermediate Macroeconomic Theory	3
ECON 3373/5373 (920:169g)	Introduction to Econometrics	3
ECON 4380/5380 (920:181g)	Directed Research in Economics	3
Mathematics:		
STAT 1772 (800:072)	Introduction to Statistical Methods *	3
Emphasis requirements (students choose only one area of emphasis)		18-39
Total Hours		39-60

* Course will also satisfy Liberal Arts Core Category 1C.

Emphases:

1. General Economics

Electives: 100/2000/3000/4000-level economics courses	18
Total Hours	18

2. Quantitative Techniques

Required

Economics:	
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List of Programs by Department

ECON 3269/5269 (920:168g)	Mathematical Economics	3
Mathematics:		
MATH 1420 (800:060)	Calculus I	4
MATH 1421 (800:061)	Calculus II	4
MATH 2422 (800:062)	Calculus III	4
MATH 2500 (800:076)	Linear Algebra for Applications	3
MATH 2900	Discrete and Argumentative Mathematics	3
Electives: 100/2000/3000/4000-level economics courses (except ECON 3077 (920:177))		15
Total Hours		36

3. Business Economics

Students who select this emphasis must satisfy the College of Business Administration (CBA) 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 (CBB 5) in the College of Business Administration. 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 100/2000/3000/4000-level) business courses only. Enrollment in upper division (100/2000/3000/4000-level) business courses and MKTG 2110 (130:101) requires satisfactory completion of the CBA 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 Administration, subject to the regulations of those CBA departments affected. Economics/Business Economics majors minoring within the CBA must select minors designated for business majors.

To graduate with an Economics/Business Economics major from the College of Business Administration, a student must earn at least 50% of the business credit hours required for the major at UNI. Students must take at least 50% of the course work required for the degree outside the College of Business Administration. Up to nine hours of economics (excluding ECON 1021 (920:020)), and six hours of statistics may be counted as outside the College of Business Administration. A student must also complete ECON 1041 (920:053) , ECON 1051 (920:054) , ECON 2122 (920:103) , and ECON 2112 (920:104) 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/120:xxx, MKTG xxxx/130:xxx, MGMT xxxx/150:xxx, FIN xxxx/160:xxx, and ECON xxxx/920:xxx courses taken at UNI; and earn a 2.20 or better, in all 920:xxx courses taken at UNI excluding ECON 1021 (920:020) , ECON 1031 (920:024) , ECON 1011 (920:070) , ECON 3077 (920:177) and ECON 3179 (920:179) . 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.

Required business core

Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3

ACCT 2130 (120:031)	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
MGMT 3154 (150:154)	Operations Management	3
MGMT 4175 (150:175)	Business Policy and Strategy	3
Finance:		
FIN 3130/5130 (160:151g)	Corporate Finance	3
Economics:		
ECON 1021 (920:020)	Decision Analytics	3
ECON 1011 (920:070)	Statistics for Business Analytics	3
Electives: 100/2000/3000/4000-level economics courses		6
Total Hours		39

4. Applied Economic Analysis

REQUIRES COMPLETION OF A MATHEMATICS MAJOR, ANY EMPHASIS

Required

Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
Finance:		
FIN 3130/5130 (160:151g)	Corporate Finance	3
FIN 3160/5160 (160:152g)	Principles of Investments	3
Select one of the following:		3
FIN 3050 (160:162)	Risk Management and Insurance	
FIN 3065/5065 (160:157g)	Fixed Income Analysis	
FIN 3135 (160:161)	Intermediate Financial Management	
Electives: 100/2000/3000/4000-level economics courses.		3
Total Hours		18

Minors

Economics Minor-Liberal Arts

Required

Economics:		
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
ECON 2112 (920:104)	Intermediate Microeconomic Theory	3
ECON 2122 (920:103)	Intermediate Macroeconomic Theory	3

List of Programs by Department

Electives: 100/2000/3000/4000-level economics courses. *	6
Total Hours	18

* ECON 2122 (920:103) and ECON 2112 (920:104) recommended to be taken before other advanced courses in economics.

Available to all UNI majors, except Economics majors.

Note: ECON 1041 (920:053) and ECON 1051 (920:054) are prerequisites for all 100/2000/3000/4000-level economics courses.

Department of Educational Leadership and Postsecondary Education

(College of Education)

www.uni.edu/coe/elpe

The Department of Educational Leadership and Postsecondary Education offers the following graduate programs and program certificates. (There are no undergraduate majors or minors in the Department of Educational Leadership and Postsecondary Education.) Specific requirements for these graduate programs and program certificates are listed within this Department of Educational Leadership and Postsecondary Education section in the following order:

Graduate Major (M.A.)

- Postsecondary Education: Student Affairs
- Teacher Leadership for International Educators

Graduate Major (M.A.E.)

- Principalship

Graduate Major (Ed.D.)

- Doctor of Education: Educational Leadership intensive study area (for all requirements see website www.uni.edu/catalog/collegeofeducation - for PDF version see listing for "College of Education" under the "Interdisciplinary" section of this university catalog.)

Program Certificates

- Advanced Studies Certificate in Educational Leadership
 - Emphasis: Principalship
 - Emphasis: Superintendency Preparation

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 Leadership and Postsecondary Education for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. (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 44 semester hours**, and the **non-thesis** option requires a **minimum of 38 semester hours. A minimum of thirty-two (32) hours of 200/6000-level course work is required for the thesis option. A minimum of thirty (30) hours of 200/6000-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, Helping, Advising	3
POSTSEC 6231 (170:231)	Assessment in Postsecondary Education	3
POSTSEC 6265	Organizational and Personal Foundations for Student Affairs	3
POSTSEC 6264 (170:264)	Values, Philosophies and History of Student Affairs	3
POSTSEC 6268	Social Justice and Inclusion	3
POSTSEC 6270 (170:270)	College Student Development	3
POSTSEC 6274	Higher Education Law	3
POSTSEC 6289 (170:289)	Seminar in Postsecondary Education	3
POSTSEC 6271	Portfolio Development (1 credit course--must be taken twice)	2
POSTSEC 6273	Research in Student Affairs	3
Electives may include, but are not limited to, the following:		9
POSTSEC 6250 (170:250)	Teaching in College	
POSTSEC 6256 (170:256)	The Two-Year College	
POSTSEC 6272	College Effects on Students	
POSTSEC 6285 (170:285)	Readings in Postsecondary Education	
POSTSEC 6291 (170:291)	Internship in Postsecondary Education (This course may be repeated for maximum of 12 hrs.)	

Educational Psychology:

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology
EDPSYCH 6235 (200:235)	Theories of Human Development

Measurement and Research:

MEASRES 6205 (250:205)	Educational Research
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Communication Studies:

COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
Counseling:		
COUN 4105/5105 (290:105g)	Counseling Skills	
COUN 6225 (290:225)	Facilitating Career Development	
COUN 6256 (290:256)	Multicultural Counseling	
Research:		
POSTSEC 6299 (170:299)	Research	
Total hours for non-thesis option (may include 3 hrs. of POSTSEC 6299 (170:299) as an elective choice)		38
Thesis Option add		
POSTSEC 6299 (170:299)	Research	6
Total Hours thesis option		44

* **Note:** Upon advisement, some students may substitute course work for practicum. 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 Leadership and Postsecondary Education for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. (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 32 hours** is required on the non-thesis option. **A minimum of 22 hours of 200/6000-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 (250:205)	Educational Research	3
TESOL/Applied Linguistics:		
TESOL 6286 Studies in Multicultural Contexts		3
Additional educational leadership courses:		
Educational Leadership:		

EDLEAD 6210	Culturally Relevant Teaching & Leading	3
EDLEAD 6212	Teacher Leadership in International Schools	3
EDLEAD 6240	Technology for School Leaders	2
EDLEAD 6248	Leading Instruction in Schools	3
EDLEAD 6249 (270:249)	Leading Learning, Teaching, and Curriculum	3
EDLEAD 6282 (270:282)	Leading School Growth and Improvement	2
EDLEAD 6284 (270:284)	Evaluator Approval for Improved Student Learning	3
EDLEAD 6286 Studies in Orientation to TLMS and Educational Leadership		2
EDLEAD 6291 (270:291)	Internship	1
EDLEAD 6294	Capstone TLMS	1
EDLEAD 7319 (270:319)	Power, Politics, and Ethics in School District Leadership	3
Total Hours		32

Master of Arts in Education Degree Program

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 Leadership and Postsecondary Education for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. (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 43 semester hours** is required on the thesis option; a **minimum of 37 hours** is required on the non-thesis option. **A minimum of 32 hours of 200/6000-level course work, including 6 hours of EDLEAD 6299 (270:299), is required for the thesis option. A minimum of 32 hours of 200/6000-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 over the ICN, through the Web, and in face-to-face instructional sessions. This program will require the student to participate in the All Iowa cohort group or in the Urban Education

List of Programs by Department

Network (UEN) group for a period of two or three years. New cohort groups start each year at the beginning of the fall semester.

Required program courses

Educational Psychology:		
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
or		
EDLEAD 6248	Leading Instruction in Schools	
Special Education:		
SPED 6260 (220:260)	Special Education Law and Policy	3
Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	3
Additional educational leadership courses		
Educational Leadership:		25
EDLEAD 6206 (270:206)	Orientation to ISSL and Educational Leadership	
EDLEAD 6232 (270:232)	School Governance, Law and Intersystems Relations	
EDLEAD 6245 (270:245)	Leadership for Effective Schools	
EDLEAD 6247 (270:247)	School Management for Student Learning	
EDLEAD 6249 (270:249)	Leading Learning, Teaching, and Curriculum	
EDLEAD 6282 (270:282)	Leading School Growth and Improvement	
EDLEAD 6284 (270:284)	Evaluator Approval for Improved Student Learning	
EDLEAD 6289 (270:289)	Seminar in Educational Leadership	
EDLEAD 6225	Activities Administration	
or		
EDLEAD 6235	Community Connections	
EDLEAD 6240	Technology for School Leaders	
Educational Leadership:		
EDLEAD 6291 (270:291)	Internship	2
EDLEAD 6292 (270:292)	Capstone ISSL	1
Total hours non-thesis Option		37
Thesis Option add		
EDLEAD 6299 (270:299)	Research	6
Total Hours thesis option		43

Doctor of Education Degree Program

(For all requirements see website www.uni.edu/catalog/collegeofeducation - for PDF version see listing for "College of Education" under the "Interdisciplinary" section of this university catalog.)

Students interested in the 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 or contact

the appropriate Intensive Study Area (ISA) for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. The Graduate Record Examination (GRE) **is** required for admission to the program.

This program is intended to provide practicing educators, in formal 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 60 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)	27
Advanced Professional Study (in one of three areas of intensive study)	27
Dissertation	6
Total Hours	60

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 three areas of intensive study provide for a specialized focus on practice. The three intensive study areas (ISAs) are:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*
- *Educational Leadership*

Note: Students interested in special education with 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 three 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 individual well-being and quality of life. Each of these areas contributes unique and different professional perspectives, yet, at the same time, focuses on the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, athletic administration, administrators of community nonprofit organizations, youth serving agencies, public parks and recreation agencies, foundations, and government agencies. The program of study will be based upon student's needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Chair of Leisure, Youth and Human Services, Health Promotion and Education, or Athletic Training in 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, 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 <http://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 Leadership and Postsecondary Education. (For more information, contact the Head, Department of Educational Leadership and Postsecondary Education, or please see the catalog at www.uni.edu/catalog or visit the Department of Educational Leadership and Postsecondary Education website at www.uni.edu/coe/departments/educational-leadership-postsecondary-education.)

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 37 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 her/his skills in competency areas. This is solely for the purpose of gaining endorsement in the Principalship.

The program will consist of a minimum of 37 semester hours in graduate studies in the area of educational leadership and/or related studies.

Required

Educational Psychology:		
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
or		
EDLEAD 6248	Leading Instruction in Schools	
MEASRES 6205 (250:205)	Educational Research	3
Special Education:		
SPED 6260 (220:260)	Special Education Law and Policy	3
Educational Leadership:		25
EDLEAD 6206 (270:206)	Orientation to ISSL and Educational Leadership	
EDLEAD 6232 (270:232)	School Governance, Law and Intersystems Relations	
EDLEAD 6245 (270:245)	Leadership for Effective Schools	
EDLEAD 6247 (270:247)	School Management for Student Learning	
EDLEAD 6249 (270:249)	Leading Learning, Teaching, and Curriculum	
EDLEAD 6282 (270:282)	Leading School Growth and Improvement	
EDLEAD 6284 (270:284)	Evaluator Approval for Improved Student Learning	
EDLEAD 6289 (270:289)	Seminar in Educational Leadership	
EDLEAD 6225	Activities Administration	
or		
EDLEAD 6235	Community Connections	
EDLEAD 6240	Technology for School Leaders	
Educational Leadership Internship:		
EDLEAD 6291 (270:291)	Internship	2
EDLEAD 6292 (270:292)	Capstone ISSL	1
Total Hours		37

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 (270:310)	Human Resource Administration	3
EDLEAD 7311 (270:311)	Educational Leadership and Systems Change	3

List of Programs by Department

EDLEAD 7315 (270:315)	Leading Teaching, Learning and Assessment	3
EDLEAD 7318 (270:318)	Evaluation of Administrators	2
EDLEAD 7319 (270:319)	Power, Politics, and Ethics in School District Leadership	3
EDLEAD 7340 (270:340)	Funding the Educational Program for Improved Student Achievement	3
EDLEAD 7346 (270:346)	School Business Management	3
Educational Leadership seminar:		
EDLEAD 7389 (270:389)	Seminar in Educational Leadership *	4
Educational Leadership work toward development of internship plan:		
EDLEAD 7391 (270:391)	Internship in Educational Leadership	1
Educational Leadership internship:		
EDLEAD 7391 (270:391)	Internship in Educational Leadership	8
Total Hours		33

* 2 hours, 1 hour, 1 hour/two weekends.

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 enough 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 his or her 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.

Department of Educational Psychology and Foundations

(College of Education)
www.uni.edu/coe/epf

The Department of Educational Psychology and Foundations offers the following graduate programs and undergraduate minor. The specific requirements for these graduate programs and undergraduate minor are listed in the following order:

Minor

- Educational Studies

Graduate Majors (M.A.E.)

- Educational Psychology: Context and Techniques of Assessment
- Educational Psychology: Professional Development for Teachers

Graduate Major (Ed.S.)

- Specialist in Education: School Psychology

Minor Programs

Educational Studies Minor

The Educational Studies minor is intended for students who are interested in the intersection of learning, education and society. Coursework provides 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. **This interdisciplinary program is designed specifically for undergraduates *not* majoring in teacher education** and is offered jointly by the College of Education, the College of Social and Behavioral Sciences, the College of Business, and the College of Humanities, Arts and Sciences.

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. 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 is administered through the Department of Educational Psychology and Foundations and is under the supervision of the Educational Studies Advisory Committee. Curriculum requirements consist of one core course

and a minimum of twelve credit hours of electives from the courses listed below. 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 and Foundations office, **Schindler Education Center 525**, 319-273-2694, or the department web site www.uni.edu/coe/departments/educational-psychology-foundations.

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 (200:030) Dynamics of Human Development

SOCFOUND 3119 (260:119) 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

EDPSYCH 2030 (200:030) Dynamics of Human Development

EDPSYCH 4118/5118 (200:118g) Mental Health and Well-Being in the Classroom

EDPSYCH 4140/5140 (200:140g) Social Psychology in Educational Contexts

THEATRE 3100/CAP 3106 (CAP:106) 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 (980:135g) Social Inequality

SOCFOUND 3119 (260:119) Schools and American Society

SOCFOUND 4134/5134 (260:134g) History of Education

SOCFOUND 4234/5234 Philosophy of Education

Category C: Political/Economic/Policy Perspectives

EDLEAD 4319 Political and Ethical Issues in Education

EDPSYCH 4188/5188 (200:188g) Current Approaches to Multicultural Education

POL AMER 4176/5176 (942:176g) Topics in Public Policy

SPED 4180/5180 Interdisciplinary Study of Disability

TESOL 4720/5720 (630:196g) Bilingual Education in the Public Schools

Total hours 15

III. Practicum and Research Experience - (OPTIONAL, up to 6 hrs.)

EDPSYCH 4180/5180 (200:180g)

Community Service:
Academic Skills Achievement
Center

EDPSYCH 4198 (200:198) Independent Study

Master of Arts in Education Degree Programs

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 and Foundations for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

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 200/6000-level course work is required for the thesis option. A minimum of 12 hours 200/6000-level course work is required for the non-thesis option.**

Required professional core

Educational Psychology:

EDPSYCH 6214 (200:214) Foundations of Instructional Psychology 3

Measurement and Research:

MEASRES 6205 (250:205) Educational Research 3

Professional Studies 3 or 6

Thesis Option (6 hours)

EDPSYCH 6299 (200:299) Research

Non-Thesis Option (3 hours)

EDPSYCH 6285 (200:285) Readings

EDPSYCH 6288 M.A.E. Practicum in Education and Psychology

EDPSYCH 6299 (200:299) Research

Context and Techniques of Assessment:

Educational Psychology:

EDPSYCH 4176/5176 (200:176g) Learning and Behavioral Problems in Education 3

or SPED 4180/5180 Interdisciplinary Study of Disability

EDPSYCH 6240 (200:240) Introduction to School Psychology 3

EDPSYCH 6280 (200:280) Psychological Consultation in Schools 3

List of Programs by Department

Measurement and Research:		
MEASRES 6281 (250:281)	Statistics and Measurement	3
MEASRES 6282 (250:282)	Individual Intellectual Assessment	4
MEASRES 6283 (250:283)	Academic Assessment and Intervention	4
Literacy Education:		
LITED 6238 (230:238)	Advanced Assessment and Evaluation of Literacy Development	3
Total hours for non-thesis option		32
Total hours for thesis option		35

Major in Educational Psychology: Professional Development for Teachers

This degree program is specially designed to fulfill the professional development needs of experienced teachers. The intent of the program is to enable participants to increase their knowledge base in content areas or to develop expertise in new content areas while sharpening their understanding and skills as classroom teachers. The program seeks to provide a course of study directly tied to teaching practice, in which course selection, student learning, and required research are organized around issues and problems which teachers view as important. The degree program provides ample opportunity for exploring the relationship between theory and practice, with a focus on improving student learning. The program presents a variety of opportunities for peer collaboration, development of strategies for implementing innovations in classroom practice, and thoughtful analysis of contemporary issues and problems facing teachers.

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 and Foundations for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

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.

This degree program invites participation from early childhood, elementary, middle school, and high school teachers. 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** for the **non-thesis** option. The thesis or research paper is expected to explore a topic that will improve classroom practice and student learning. **A minimum of 15 hours of 200/6000-level course work is required for the thesis option. A minimum of 12 hours of 200/6000-level course work is required for the non-thesis option.**

Required professional core

Educational Psychology:		
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
Measurement and Research:		

MEASRES 6205 (250:205)	Educational Research	3
Social Foundations:		
SOCFOUND 4234/5234	Philosophy of Education	3
Research: xxxx:299		3-6
Thesis Option (6 hrs)		
Non-thesis Option (3 hrs)		

Candidates should follow these three professional components when selecting coursework.

Hours from each of the following three professional components areas (selected in consultation with advisor and requires approval of the Graduate Coordinator) - 21 hours minimum:

Component I: Advanced professional course work	8-12
Component II: Theoretical-philosophical course work	5-9
Component III: Advanced academic course work taken from one department or one field area	8-12
Thesis option total	36
Non-thesis option total	33

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 and Foundations for other application requirements and detailed information on the School Psychology major. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. 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 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.

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 2000/6000-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 (250:284)	Psychosocial Assessment	4
MEASRES 6287	Early Childhood Assessment and Intervention	3

Professional Studies:

EDPSYCH 6290 (200:290)	Ed.S. Practicum in Education and Psychology	5
EDPSYCH 6291 (200:291)	Internship in School Psychology	6

Special Education:

SPED 6260 (220:260)	Special Education Law and Policy	3
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Counseling & Behavior Modification

One of the following:		3
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COUN 6254 (290:254)	Counseling Children and Adolescents	
PSYCH 6407 (400:272)	Evidence Based Treatment	

Thesis Option

EDPSYCH 6299 (200:299)	Research	6
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Non-Thesis Option

MEASRES 6260	Monitoring Progress in Individuals and Groups	3
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Total hours		36-39
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- Finance
- Real Estate

Minors

- Finance (for Business and Non-Business Majors)
- Real Estate-Business
- Real Estate

Program Certificates

- Financial Analysis
- Financial and Real Estate Sales for Business Majors (also listed in Department of Marketing)

Note: Students majoring in Finance and/or Real Estate must satisfy the College of Business Administration (CBA) admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from *UNIBusiness Advising* in the College of Business Administration or at <http://business.uni.edu/web/pages/currentstudents/advisingcenter-collegepolicies.cfm>. 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 100/3000-level) business courses only. Enrollment in upper division (100/3000/4000-level) business courses and MKTG 2110 (130:101) requires satisfactory completion of the CBA 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 Administration, subject to the approval of the other CBA departments involved. Finance and Real Estate majors minoring within the CBA 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 Administration, a student must earn at least 50% of the business credit hours required for the major at UNI. Students must take at least 50% of the course work required for the degree outside the College of Business Administration. Up to nine hours of economics (excluding ECON 1021 (920:020)), and six hours of statistics may be counted as outside the College of Business Administration. 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/120:xxx, MKTG xxxx/130:xxx, MGMT xxxx/150:xxx, FIN xxxx/160:xxx, and ECON xxxx/920:xxx 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 CBA major. Eligibility to declare a minor or a second CBA major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from *UNIBusiness Advising* (CBB 5) in the College of Business Administration.

Department of Finance

(College of Business Administration)

www.cba.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.)

List of Programs by Department

Bachelor of Arts Degree Programs

Finance Major

The Finance major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required business core

Business Administration, Interdepartmental:

BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
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BUSINESS 2000 (100:020)	Business Professionals in Training	0
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Accounting:

ACCT 2120 (120:030)	Principles of Financial Accounting	3
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ACCT 2130 (120:031)	Principles of Managerial Accounting	3
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Marketing:

MKTG 2110 (130:101)	Principles of Marketing	3
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Management:

MGMT 2080 (150:080)	Introduction to Information Systems	3
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MGMT 3100 (150:100)	Legal and Social Environment of Business	3
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MGMT 3153 (150:153)	Organizational Management	3
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MGMT 3154 (150:154)	Operations Management	3
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MGMT 4175 (150:175)	Business Policy and Strategy	3
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Finance:

FIN 3130/5130 (160:151g)	Corporate Finance	3
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Economics:

ECON 1011 (920:070)	Statistics for Business Analytics	3
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ECON 1021 (920:020)	Decision Analytics	3
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ECON 1041 (920:053)	Principles of Macroeconomics	3
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ECON 1051 (920:054)	Principles of Microeconomics	3
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Required Finance

FIN 3135 (160:161)	Intermediate Financial Management	3
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FIN 3160/5160 (160:152g)	Principles of Investments	3
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FIN 4145 (160:171)	Advanced Financial Management	3
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Emphasis Requirements

Students select one area of emphasis below

Total Hours	57
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Emphases:

Financial Management

Electives

Finance:

FIN 3032/5032 (160:158g)	International Financial Management
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FIN 3034 (160:154)	Financial Information Systems and Analysis
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FIN 3055 (160:163)	Insurance Company Operations
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FIN 3065/5065 (160:157g)	Fixed Income Analysis
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FIN 3125 (160:141)	Real Estate Finance *
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FIN 3170/5170 (160:153g)	Commercial Bank Management
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FIN 4150/5150	Securities Analysis	3
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FIN 4155/5155	Options and Futures	3
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Economics:

ECON 2132 (920:113)	Money and Banking
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Total Hours	15
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Investments

Required

Finance:

FIN 4150/5150	Securities Analysis	3
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FIN 4155/5155	Options and Futures	3
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Electives

Finance:

FIN 3032/5032 (160:158g)	International Financial Management
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FIN 3034 (160:154)	Financial Information Systems and Analysis
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FIN 3065/5065 (160:157g)	Fixed Income Analysis
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FIN 3125 (160:141)	Real Estate Finance *
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FIN 3170/5170 (160:153g)	Commercial Bank Management
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Total Hours	9
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Personal Wealth Planning

Required Courses

FIN 3040	Introduction to Personal Financial Planning
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FIN 4040	Personal Wealth Management
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FIN 4270	Applications of Financial Planning
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Total Hours 9

* Students who major in both Finance and Real Estate may not use FIN 3125 (160:141) to satisfy the requirements of the Finance major.

** In addition to the required 57 hours, ECON 1021 (920:020) and ECON 1011 (920:070) have as a prerequisite STAT 1772 (800:072) or equivalent. STAT 1772 (800:072) will satisfy Category 1C of the Liberal Arts Core.

*** FIN 3034 (160:154) may be chosen if not selected as required course.

Real Estate Major

The Real Estate major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required business core

Business Administration, Interdepartmental:

List of Programs by Department

BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professionals in Training	0
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
ACCT 2130 (120:031)	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
MGMT 3154 (150:154)	Operations Management	3
MGMT 4175 (150:175)	Business Policy and Strategy	3
Finance:		
FIN 3130/5130 (160:151g)	Corporate Finance	3
Economics:		
ECON 1011 (920:070)	Statistics for Business Analytics	3
ECON 1021 (920:020)	Decision Analytics	3
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
Required Real Estate and Finance		
FIN 3110 (160:140)	Principles of Real Estate	3
FIN 3115 (160:143)	Real Estate Law and Brokerage	3
FIN 3120 (160:142)	Real Estate Appraisal and Investment	3
FIN 3125 (160:141)	Real Estate Finance	3
FIN 3135 (160:161)	Intermediate Financial Management	3
FIN 4145 (160:171)	Advanced Financial Management	3
Total Hours		57

* NOTE: In addition to the required 57 hours, ECON 1021 (920:020) and ECON 1011 (920:070) have as a prerequisite STAT 1772 (800:072) or equivalent. STAT 1772 (800:072) will satisfy Category 1C of the Liberal Arts Core.

Minors

Finance Minor (for Business and Non-Business Majors)**

Required

Finance:		
FIN 3130/5130 (160:151g)	Corporate Finance *	3
FIN 3160/5160 (160:152g)	Principles of Investments	3
Electives		
Finance:		

FIN 3032/5032 (160:158g)	International Financial Management	
FIN 3034 (160:154)	Financial Information Systems and Analysis	
FIN 3050 (160:162)	Risk Management and Insurance	
FIN 3055 (160:163)	Insurance Company Operations	
FIN 3125 (160:141)	Real Estate Finance	
FIN 3135 (160:161)	Intermediate Financial Management	
FIN 3170/5170 (160:153g)	Commercial Bank Management	
FIN 4140/5140 (160:156g)	Topics in Financial Management (sections 1, 2, 3, and 4)	
Economics:		
ECON 2132 (920:113)	Money and Banking	
Total Hours		15

* FIN 3130/5130 (160:151g) has additional prerequisites of ACCT 2130 (120:031); ECON 1041 (920:053); ECON 1051 (920:054) ECON 1011 (920:070) or equivalent.

** **NOT** available to majors in Finance.

Real Estate Minor-Business

Required

Finance:		
FIN 3110 (160:140)	Principles of Real Estate	3
FIN 3115 (160:143)	Real Estate Law and Brokerage	3
FIN 3120 (160:142)	Real Estate Appraisal and Investment	3
FIN 3125 (160:141)	Real Estate Finance	3
Electives from the following		
Marketing:		
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 3153 (130:153)	Personal Selling	
MKTG 3156 (130:178)	Services Marketing	
Finance:		
FIN 3055 (160:163)	Insurance Company Operations	
FIN 3170/5170 (160:153g)	Commercial Bank Management	

Technology:		
TECH 1018 (330:018)	Construction Resources	
Economics:		
ECON 3253/5253 (920:148g)	Urban and Regional Economics	
Geography:		
GEOG 3120 (970:104)	North American Cities	
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning	

List of Programs by Department

GEOG 4180/5180 (970:121g) Locational Analysis for Business	
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 (160:140)	Principles of Real Estate	3
FIN 3115 (160:143)	Real Estate Law and Brokerage	3
FIN 3120 (160:142)	Real Estate Appraisal and Investment	3

Marketing:		
MKTG 2110 (130:101)	Principles of Marketing *	3

Electives from the following		3
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Marketing:		
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 3153 (130:153)	Personal Selling	
MKTG 3156 (130:178)	Services Marketing	

Finance:		
FIN 3055 (160:163)	Insurance Company Operations **	
FIN 3125 (160:141)	Real Estate Finance **	
FIN 3130/5130 (160:151g)	Corporate Finance **	
FIN 3170/5170 (160:153g)	Commercial Bank Management **	

Technology:		
TECH 1018 (330:018)	Construction Resources	

Economics:		
ECON 3253/5253 (920:148g)	Urban and Regional Economics **	

Geography:		
GEOG 3120 (970:104)	North American Cities	
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning **	
GEOG 4180/5180 (970:121g)	Locational Analysis for Business	

Total Hours	15
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* In addition to the required 15 hours, MKTG 2110 has a prerequisite of either *ECON 1031 (920:024)* or *ECON 1041 (920:053)*. *ECON 1031 (920:024)* or **both** *ECON 1041 (920:053)* and *ECON 1051 (920:054)* will satisfy Category 5B of the Liberal Arts Core.

** FIN 3125 (160:141), FIN 3130/5130 (160:151g), FIN 3170/5170 (160:153g), FIN 3055 (160:163), ECON 3253/5253 (920:148g), and GEOG 4170/5170 (970:168g) 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.

Financial Analysis Certificate

Required

Finance:		
FIN 6266 (160:266)	Financial Management and Markets (MBA students)	3
or FIN 3135 (160:161)	Intermediate Financial Management	
FIN 3160/5160 (160:152g)	Principles of Investments	3
FIN 4140/5140 (160:156g)	Topics in Financial Management (section 2)	3
FIN 4140/5140 (160:156g)	Topics in Financial Management (section 3)	3
FIN 4145 (160:171)	Advanced Financial Management	3
Total Hours		15

NOTE: Course prerequisites will lengthen this certificate for non-business majors.

In order to receive the Financial Analysis Certificate, all candidates must participate in the department's Financial Analysis Study Seminar, and pass the CFA® Level 1 exam administered by the CFA Institute. In addition, MBA students who are candidates for the Financial Analysis Certificate must participate in the department's Level 2 Examination Review sessions and register to take the CFA® Level 2 examination administered by CFA Institute.

Certificate in Financial and Real Estate Sales for Business Majors

Required

Marketing:		
MKTG 3153 (130:153)	Personal Selling	3
MKTG 3154	Sales Management	3
Finance:		
FIN 3130/5130 (160:151g)	Corporate Finance	3
Electives from the following:		6
Finance:		
FIN 3050 (160:162)	Risk Management and Insurance	
FIN 3110 (160:140)	Principles of Real Estate	
FIN 3160/5160 (160:152g)	Principles of Investments	
Electives from the following:		3
Management:		

MGMT 3974/5974 (150:174g)	Business, Ethics, and Society
Communication Studies*:	
COMM 3155 (48C:173)	Business and Professional Oral Communication
COMM 4218 (48C:178)	Persuasion
COMM 4355/5355 (48C:141g)	Listening
Total Hours	18

- * Prerequisite notes:
- 1) COMM 4355/5355 (48C:141g) and COMM 4218 (48C:178) have junior standing as their prerequisite.
 - 2) COMM 3155 (48C:173) has COMM 1000 (48C:001) Oral Communication as a prerequisite. COMM 1000 (48C:001) is a Liberal Arts Core Category 1.B. required course that any business major pursuing this certificate would be required to complete.
 - 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.

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

Undergraduate Major (B.A.)

- Environmental Resource Management (also listed in Department of Biology, Department of Earth and Environmental Sciences and Department of Health, Recreation and Community Services)
- Geography

Minor

- Geography

Graduate Major (M.A.)

- Geography

Program Certificate

- Crime Mapping and Analysis (also listed in Department of Sociology, Anthropology, and Criminology)
- Geographic Information Systems (GIS) and Cartography

Bachelor of Science Degree Programs

Geographic Information Science Major

The B.S. Geographic Information Science major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus course choices for a focus within the major and electives, needed to complete the minimum of 126 hours.

Required

Geographic Information Science core:	30-32
GEOG 1120 (970:010)	Human Geography
GEOG 1210 (970:026)	Physical Geography
GEOG 1211	Physical Geography Laboratory
GEOG 3598 (970:193)	Research Experience in Geography
GEOG 3310 (970:164)	Geographic Information Systems I
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 4320/5320 (970:174g)	Geographic Information Systems II
GEOG 4350/5350 (970:175g)	Global Positioning System Field Survey Methods
GEOG 4360/5360 (970:165g)	Thematic Cartography
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
GEOG 4550 (970:180)	Senior Seminar in Geography
GEOG 4560 (970:181)	Professional Seminar
Geography: (two of the following)	6
GEOG 1310 (970:061)	Digital Earth
GEOG 4340/5340 (970:160g)	Spatial Data Analysis *
GEOG 4380/5380	Satellite Image Processing
One course from each of the following pairs:	6
Mathematics or Sociology select one of the following:	
STAT 1772 (800:072)	Introduction to Statistical Methods
SOC 2020 (980:080)	Statistics for Social Research
Computer Science or Geography select one of the following: :	
GEOG 4390/5390	GIS Programming
CS 3140/5140 (810:114g)	Database Systems *
Choose one Application Focus (below) and four courses from that focus	12
Application Focus on Environmental Science and Policy	
Health Promotion/Environmental:	
HPE/ENV SCI 4666	Environmental and Occupational Health Regulations
Earth Science:	
EARTHSCI 3230/5230 (870:123g)	Air Quality *
Geography:	
GEOG 2210 (970:028)	Recent Climate Change

List of Programs by Department

GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments*
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography

Or approved courses in cognate areas.

Application Focus on Economic Geography and Business

Management:

MGMT 3153 (150:153)	Organizational Management
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Geography:

GEOG 3110 (970:101)	Economic Geography
GEOG 4110/5110 (970:111g)	Cultural Geography
GEOG 4180/5180 (970:121g)	Locational Analysis for Business
GEOG 4190/5190 (970:117g)	Transportation Planning and Policy

Or approved courses in cognate areas.

Application Focus on Planning and Policy

Political Science:

POL AMER 1048 (942:048)	Introduction to Public Administration
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Geography:

GEOG 3110 (970:101)	Economic Geography
GEOG 3120 (970:104)	North American Cities
GEOG 4110/5110 (970:111g)	Cultural Geography
GEOG 4120/5120 (970:119g)	Demography and Population Geography
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning
GEOG 4190/5190 (970:117g)	Transportation Planning and Policy

Or approved courses in cognate areas.

Electives	1-4
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Other courses, in Geography or cognate areas approved, to reach a minimum of 56 hours.

Total hours	56
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* These courses have additional prerequisites as follows:
 GEOG 4340/5340 (970:160g) has prerequisite of STAT 1772 (800:072) or SOC 2020 (980:080)
 CS 3140/5140 (810:114g) has prerequisites of CS 1520 (810:052); CS 1800 (810:080).
 EARTHSCI 3230/5230 (870:123g) has prerequisites of MATH 1420 (800:060); EARTHSCI 3210/5210 (870:121g).
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 2210 (970:028); EARTHSCI 1300 (870:031) or consent of instructor.

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 KAHHS 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.*
- *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 (840:051)	General Biology: Organismal Diversity	4
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science*	3
CHEM 1110 (860:044)	General Chemistry I	4
EARTHSCI 1300 (870:031)	Introduction to Geology	4
or		
GEOG 1210 (970:026) & GEOG 1211	Physical Geography and Physical Geography Laboratory	
EARTHSCI 3330/5330 (870:141g)	Geomorphology	4
GEOG 4260	Environmental Resource Management	3
GEOG 3310 (970:164)	Geographic Information Systems I	3
LYHS 4055 (430:151)	Financial Resource Management for LYHS Agencies	3
HISUS 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 (840:052) and CHEM 1120 (860:048) prerequisites for enrollment into BIOL 3100 (840:100).

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Dept. 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 (Dept. 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 (840:168g)	Ecology **	4
CHEM 1120 (860:048)	General Chemistry II	4
MATH 1140 (800:046)	Precalculus	4

Electives: 20

Category A - Content Management Related Courses (pick at least 1 course)

BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management **
BIOL 4108/5108	Biodiversity Conservation Policy **
BIOL 4167/5167 (840:167g)	Conservation Biology **
BIOL 4180/5180 (840:180g)	Restoration Ecology **

Category B - Content Related Courses (pick at least 1 course)

BIOL 3112 (840:112)	Invertebrate Zoology *
BIOL 3118	Marine Biology *
BIOL 3170 (840:170)	Entomology *
BIOL 4154/5154 (840:154g)	Aquatic Ecology **
BIOL 4157/5157 (840:157g)	Biostatistics **
BIOL 4164/5164 (840:164g)	Mammalogy **
BIOL 4166/5166 (840:166g)	Plant Systematics **
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 4320/5320 (970:174g)	Geographic Information Systems II

Category C - Cognates (pick at least 1 course)

EARTHSCI 1200 (870:021)	Elements of Weather
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers ^
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography ^
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments ^
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
LYHS/HISUS 4556	History of Outdoor Recreation
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
MGMT 3183	Leadership Skills ^
MGMT 3185	Project Management ^
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion

Total Hours 32

- * For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 (840:052) and CHEM 1120 (860:048) for BIOL 3000-level courses.

- ** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4000-level courses.

List of Programs by Department

^ These courses have additional prerequisites as follows:
 ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077) and one of the following - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g) or consent of instructor; junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031); or consent of instructor; junior standing.
 MGMT 3183 and MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 3350/5350	Environmental Hydrology ^	
(870:173g)		
EARTHSCI 3322	Earth Materials ^	
GEOG 2210 (970:028)	Recent Climate Change	
GEOG 3210 (970:137)	Natural Hazards and Disasters	
GEOG 3220 (970:100)	Environmental Geography * ^	
or		
EARTHSCI 3345/5345	Environmental Geology ***	
(870:171g)		
GEOG 4220/5220 (970:126g)	Soils and Landscapes	
GEOG 4230/5230 (970:129g)	Rivers	
GEOG 4210/5210 (970:127g)	Climatology	
or EARTHSCI 1200	Elements of Weather	
(870:021)		
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography	
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment	
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation	
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment	

LYHS 2335 (430:060)	Principles of Nonprofit Organizations	
Secondary Focus - Management Cognates		9
BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management **	
BIOL 4180/5180 (840:180g)	Restoration Ecology **	
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology ****	
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology	
ECON 3225/5225 (920:123g)	Environmental Economics ^	
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers ^	
GEOG 3230 (970:144)	Natural Regions of North America	
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning	
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments *	
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic) ^	
GEOG 4320/5320 (970:174g)	Geographic Information Systems II ^	
LYHS 4556/5556 or HISUS 4556/5556	History of Outdoor Recreation	
LYHS 2770 (430:070)	Principles of Tourism	
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism #	
MGMT 3185	Project Management ^	
POL AMER 3172/5172 (942:172)	Public Budgeting ^	
BIOL 3179 (840:179) or GEOG 3179 (970:179)	Cooperative Education ^	
or EARTHSCI 3430 (870:195)	Cooperative Education in Geography	
or LYHS 4095 (430:187)	Internship	
or HPE 4768 (410:168)	Field Experience in Health Promotion	
GEOG 3179 (970:179) or BIOL 3179 (840:179)	Cooperative Education in Geography ^	
or EARTHSCI 3430 (870:195)	Cooperative Education	
or LYHS 4095 (430:187)	Internship	
or HPE 4768 (410:168)	Field Experience in Health Promotion	
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 (970:026) and GEOG 1211 or EARTHSCI 1300 (870:031) as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 (970:170g) and GEOG 4320/5320 (970:174g).

List of Programs by Department

**	** The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4105/5105 (840:105g) and BIOL 4180/5180 (840:180g).
***	*** The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as substitutes for courses that require EARTHSCI 1300 (870:031).
****	**** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).
#	# The Department of Health, Recreation and Community Services will waive LYHS 2770 (430:070) as a prerequisite for LYHS 4776/5776 (430:170g).
^	^ These courses have additional prerequisites as follows: EARTHSCI 3322 has a prerequisite of EARTHSCI 1300 (870:031). EARTHSCI 3350/5350 (870:173g) has prerequisites of EARTHSCI 1300 (870:031); junior standing. GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor. ECON 3225/5225 (920:123g) has prerequisites of ECON 1041 (920:053), ECON 1051 (920:054); junior standing. ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing. GEOG 4310/5310 (970:170g) has prerequisites of GEOG 3310 (970:164); junior standing. GEOG 4320/5320 (970:174g) has prerequisites of GEOG 3310 (970:164) or consent of instructor; junior standing. MGMT 3185 has a prerequisite of MGMT 3153 (150:153). POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048). GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department. LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184). HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 (970:028)	Recent Climate Change
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning

GEOG 3210 (970:137)	Natural Hazards and Disasters
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations
LYHS 2335 (430:060)	Principles of Nonprofit Organizations
LYHS 3337 (430:154)	Human Resource Development for Leisure, Youth and Human Services
LYHS 4115/5115 (430:168g)	Areas and Facilities for Leisure, Youth and Human Services **
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment
LYHS/HISUS 4556	History of Outdoor Recreation
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism ^
Secondary Focus - Cognates	
BIOL 4167/5167 (840:167g)	Conservation Biology **
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 4320/5320 (970:174g)	Geographic Information Systems II
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication ^
or ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers
HPE 4665/5665 (410:165g)	Environmental Health Science
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4552/5552 (430:130g)	Theory and Practice of Experiential Education
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
LYHS 4779/5779 (430:138g)	Community Planning Workshop
MGMT 3185	Project Management ^
POL AMER 3172/5172 (942:172)	Public Budgeting ^
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion

List of Programs by Department

Other courses as approved by advisors and program director	
Total Hours	30
* * The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4167/5167 (840:167g).	
** ** The Geography Department and the Department of Health, Recreation and Community Services will waive LYHS 3060 (430:110) as a prerequisite for enrollment into LYHS 4115/5115 (430:168g).	
^ ^ These courses have additional prerequisites as follows: LYHS 4776/5776 (430:170g) has prerequisites of LYHS 2770 (430:070) or consent of instructor; junior standing. ENGLISH 4775/5775 (620:105g) has prerequisites of MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing. ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing. MGMT 3185 has a prerequisite of MGMT 3153 (150:153). POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048). GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department. LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184). HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
ECON 3225/5225 (920:123g)	Environmental Economics	3
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3

Primary Focus - Content Related Courses

EARTHSCI 1200 (870:021)	Elements of Weather	10
EARTHSCI 1400	Introduction to Environmental Earth Science	
EARTHSCI 3230/5230 (870:123g)	Air Quality ^	
EARTHSCI 3345/5345 (870:171g)	Environmental Geology *	

or		
GEOG 3220 (970:100)	Environmental Geography	
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology *	
Secondary Focus - Cognates		7
EARTHSCI 3240/5240 (870:124g)	Air Quality Modeling ^	
EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality ** ^	
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology ***	
EARTHSCI 3355/5355 (870:175g)	Hydrogeology *	
GEOG 4220/5220 (970:126g)	Soils and Landscapes	
GEOG 4230/5230 (970:129g)	Rivers	
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment	
HPE 4665/5665 (410:165g)	Environmental Health Science	
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment	
MGMT 3153 (150:153)	Organizational Management *	
MGMT 3185	Project Management ^	
POL AMER 1048 (942:048)	Introduction to Public Administration	
GEOG 3179 (970:179)	Cooperative Education in Geography ^	
or BIOL 3179 (840:179)	Cooperative Education	
or EARTHSCI 3430 (870:195)	Internship	
or LYHS 4095 (430:187)	Internship	
or HPE 4768 (410:168)	Field Experience in Health Promotion	
Other courses as approved by advisors and program director		
Total Hours		32

- * * The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as a substitute for courses that require EARTHSCI 1300 (870:031).
- ** ** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 (870:123g) as a prerequisite for enrollment into EARTHSCI 3240/5240 (870:124g) and EARTHSCI 3250/5250 (870:177g).
- *** *** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).

^ These courses have additional prerequisites as follows:
 EARTHSCI 3230/5230 (870:123g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 EARTHSCI 3240/5240 (870:124g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
 EARTHSCI 3250/5250 (870:177g) has prerequisites of EARTHSCI 1200 (870:021); junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230 (870:123g).
 MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Geography:

GEOG 1110 (970:040)	World Geography	3
GEOG 1120 (970:010)	Human Geography	3
GEOG 1210 (970:026)	Physical Geography	3
GEOG 1310 (970:061)	Digital Earth	3
GEOG 4550 (970:180)	Senior Seminar in Geography	3
GEOG 4560 (970:181)	Professional Seminar	1

Concentrations (21 hrs) 21

Choose in consultation with a Geography faculty advisor. See below for course list and specific requirements for each area. Students must focus on one area; however, they may choose to add an additional concentration(s) to their program, which will be reflected on their transcripts. No more than 6 credit hours can be counted towards multiple concentrations.

Concentration on Globalization and Regional Geography

Professional and Regional Electives

GEOG 3310 (970:164)	Geographic Information Systems I
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3110 (970:101)	Economic Geography
GEOG 3120 (970:104)	North American Cities
GEOG 3179 (970:179)	Cooperative Education in Geography
GEOG 3220 (970:100)	Environmental Geography

GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4110/5110 (970:111g)	Cultural Geography
GEOG 4120/5120 (970:119g)	Demography and Population Geography
GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic)
GEOG 4160/5160 (970:151g)	Historical Geography: (Variable Topic)
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
SOC 2020 (980:080)	Statistics for Social Research

Other Geography courses or courses from other departments as approved. Some non-Western cultures courses may be taken upon approval. They must be taken in addition to any LAC required non-Western cultures course.

Concentration on Environmental Systems & Sustainability

Methods Electives

Select three from the following:

STAT 1772 (800:072)	Introduction to Statistical Methods
GEOG 3310 (970:164)	Geographic Information Systems I
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 3179 (970:179)	Cooperative Education in Geography
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4340/5340 (970:160g)	Spatial Data Analysis

Professional Electives

Select four from the following:

TECH 1015	Introduction to Sustainability
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3220 (970:100)	Environmental Geography
GEOG 3230 (970:144)	Natural Regions of North America
EARTHSCI 3355/5355 (870:175g)	Hydrogeology
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4230/5230 (970:129g)	Rivers
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
EARTHSCI 3330/5330 (870:141g)	Geomorphology

Concentration on Planning and Development

Methods Electives

Select three from the following:

STAT 1772 (800:072)	Introduction to Statistical Methods
SOC 2020 (980:080)	Statistics for Social Research

List of Programs by Department

GEOG 4340/5340 (970:160g)	Spatial Data Analysis
GEOG 3310 (970:164)	Geographic Information Systems I
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 3179 (970:179)	Cooperative Education in Geography
Professional Electives	
Select four from the following:	
GEOG 3110 (970:101)	Economic Geography
GEOG 3120 (970:104)	North American Cities
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 4180/5180 (970:121g)	Locational Analysis for Business
GEOG 4190/5190 (970:117g)	Transportation Planning and Policy
GEOG 4120/5120 (970:119g)	Demography and Population Geography
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning
GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic)
ECON 3249/5249 (920:143g)	Economic Development
Other Geography courses or courses from other departments as approved.	
Total Hours	37

* These courses have additional prerequisites as follows:
ECON 3249 has prerequisite of ECON 1041 and ECON 1051.
Other programs occasionally offer courses appropriate to the geography major. The Department of Geography will approve substituting up to two such courses for electives in Geography. Note that only 3 hours of credit in GEOG 3179 (970:179) will count toward electives for the major.

Minor

Geography Minor

Required

Geography:		
GEOG 1120 (970:010)	Human Geography	3
or GEOG 1110 (970:040)	World Geography	
GEOG 1210 (970:026)	Physical Geography	3
Electives in geography *		12
Total Hours		18

* Only 3 hours of credit in GEOG 3179 (970:179) 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 www.grad.uni.edu/admission.

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 32 semester hours**, including 6 hours GEOG 6299 (970:299) 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 (970:299). A **minimum of 38 semester hours**, including 3 hours GEOG 6298 (970:298) for completion of a research paper, is required for the **non-thesis** option. **A minimum of 17 hours of 200/6000-level course work is required for both the thesis and non-thesis options.** Any 200/6000-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 6000 (970:202)	Graduate Colloquium (1 hr; must be taken twice)	2
GEOG 6010 (970:294)	Nature of Geography and Its Research Methodology	3
GEOG 6299 (970:299)	Research	6
GEOG 6550 (970:280)	Seminar	3
Electives *		18
Total Hours		32

* At least 12 of the 18 hours must be in geography; at least 3 of the 18 hours must be at the 200/6000-level; cannot include GEOG 6598 (970:298); additional hours of GEOG 6299 (970:299) cannot count toward the minimum 18 elective hours.

Non-Thesis Option:

Required Geography

GEOG 6000 (970:202)	Graduate Colloquium (1 hr; must be taken twice)	2
GEOG 6010 (970:294)	Nature of Geography and Its Research Methodology	3
GEOG 6550 (970:280)	Seminar	3
GEOG 6598 (970:298)	Directed Research Project	3
Electives *		27
Total Hours		38

- * At least 15 of the 27 hours must be in geography; at least 6 of the 27 hours must be at the 200/6000-level; cannot include GEOG 6299 (970:299).

Each student's program (beyond the required core courses) will be determined by individual needs in consultation with her/his 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 Department of Sociology, Anthropology and Criminology.

Required

Criminology:

CRIM 2134	Crime Analysis	3
CRIM 4224/5224 (982:124g)	Police and Society	3

Geography:

GEOG 3310 (970:164)	Geographic Information Systems I	3
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)	3

Sociology:

SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2020 (980:080)	Statistics for Social Research	3
or STAT 1772 (800:072)	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 3310 can be substituted with GEOG 6286 Studies in GIS.

Required

Geography:

GEOG 3310 (970:164)	Geographic Information Systems I	3
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or

GEOG 6286 (970:286) Studies in: GIS

GEOG 4320/5320 (970:174g)	Geographic Information Systems II	3
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GEOG 4360/5360 (970:165g)	Thematic Cartography	3
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Electives 6

Select two of the following:

Geography:

GEOG 4310/5310 (970:170g) GIS Applications: (Variable Topic)

GEOG 4340/5340 (970:160g) Spatial Data Analysis

GEOG 4350/5350 (970:175g) Global Positioning System Field Survey Methods

GEOG 4370/5370 (970:173g) Remote Sensing of the Environment

GEOG 4380/5380 Satellite Image Processing

GEOG 4390/5390 GIS Programming

Total Hours 15

Department of Health, Recreation and Community Services

(College of Education)

www.uni.edu/coe/hpels

Effective July 1, 2018 the School of Kinesiology, Allied Health and Human Services restructured into two departments - the Department of Kinesiology and the Department of Health, Recreation and Community Services.

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 (to view all Doctor of Education requirements on the website go to www.uni.edu/catalog/collegeofeducation or for PDF version go to "College of Education" under "Interdisciplinary" section)

Interdisciplinary -

List of Programs by Department

- **Undergraduate Major (B.A.)**
 - Environmental Resource Management (also listed in Department of Biology, Department of Earth and Environmental Sciences and Department of Geography)

Athletic Training -

- **Undergraduate Major (B.A.)**
 - Athletic Training and Rehabilitation Studies
- **Masters of Athletic Training (M.ATR.)**

Health Promotion and Education -

- **Undergraduate Major (B.A.)**
 - Health Promotion
- **Minors**
 - Health Education-Teaching
 - Health Promotion
- **Graduate Major (M.A.)**
 - Health Education
- **Program Certificates**
 - Environmental Health
 - Global Health and Humanitarian Assistance

Leisure, Youth and Human Services -

- **Undergraduate Major (B.A.)**
 - Leisure, Youth and Human Services
- **Minor**
 - Leisure, Youth and Human Services
- **Graduate Major (M.A.)**
 - Leisure, Youth and Human Services
- **Program Certificates**
 - Aquatics Specialization (also listed in Department of Kinesiology)
 - Nonprofit Management
 - Outdoor Recreation
 - School-Age Care Leadership
 - Tourism

Doctor of Education

(For all requirements see website www.uni.edu/catalog/collegeofeducation - for PDF version see listing for "College of Education" under the "Interdisciplinary" section of this university catalog.)

Students interested in the 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 or contact the appropriate Intensive Study Area (ISA) for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. The Graduate Record Examination (GRE) is required for admission to the program.

This program is intended to provide practicing educators, in formal 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 60 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)	27
Advanced Professional Study (in one of three areas of intensive study)	27
Dissertation	6
Total Hours	60

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 three areas of intensive study provide for a specialized focus on practice. The three intensive study areas (ISAs) are:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*
- *Educational Leadership*

Note: Students interested in special education with 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 three 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 individual well-being and quality of life. Each of these areas contributes unique and different professional perspectives, yet, at the same time, focuses on the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, athletic administration, administrators of community nonprofit organizations, youth serving agencies, public parks and recreation agencies, foundations, and government agencies. The program of study will be based upon student's needs, interests, and upon approval by an academic advisor and program of study committee. (For more information, contact the Chair of Leisure, Youth and Human Services, Health Promotion and Education, or the Athletic Training in 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, 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 Leadership and Postsecondary Education. (For more information, contact the Head, Department of Educational Leadership and Postsecondary Education, or please see the catalog at www.uni.edu/catalog. www.uni.edu/collegeofeducation/educationalleadershipandpostsecondaryeducation or visit the Department of Educational Leadership and Postsecondary Education website at www.uni.edu/coe/departments/educational-leadership-postsecondary-education.)

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 KAHHS 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.

- 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 (840:051)	General Biology: Organismal Diversity	4
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science*	3
CHEM 1110 (860:044)	General Chemistry I	4
EARTHSCI 1300 (870:031)	Introduction to Geology	4
or		
GEOG 1210 (970:026) & GEOG 1211	Physical Geography and Physical Geography Laboratory	
EARTHSCI 3330/5330 (870:141g)	Geomorphology	4
GEOG 4260	Environmental Resource Management	3
GEOG 3310 (970:164)	Geographic Information Systems I	3
LYHS 4055 (430:151)	Financial Resource Management for LYHS Agencies	3
HISUS 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 (840:052) and CHEM 1120 (860:048) prerequisites for enrollment into BIOL 3100 (840:100).

Encouraged Certificates: Certificate programs that are appropriate to couple with the ERM major and help to expand specific, relevant experiences for students.

- GIS & Cartography (Dept. 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 (Dept. 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.

List of Programs by Department

Required

BIOL 4168/5168 (840:168g)	Ecology **	4
CHEM 1120 (860:048)	General Chemistry II	4
MATH 1140 (800:046)	Precalculus	4

Electives: 20

Category A - Content Management Related Courses (pick at least 1 course)

BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management **
BIOL 4108/5108	Biodiversity Conservation Policy **
BIOL 4167/5167 (840:167g)	Conservation Biology **
BIOL 4180/5180 (840:180g)	Restoration Ecology **

Category B - Content Related Courses (pick at least 1 course)

BIOL 3112 (840:112)	Invertebrate Zoology *
BIOL 3118	Marine Biology *
BIOL 3170 (840:170)	Entomology *
BIOL 4154/5154 (840:154g)	Aquatic Ecology **
BIOL 4157/5157 (840:157g)	Biostatistics **
BIOL 4164/5164 (840:164g)	Mammalogy **
BIOL 4166/5166 (840:166g)	Plant Systematics **
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)
GEOG 4320/5320 (970:174g)	Geographic Information Systems II

Category C - Cognates (pick at least 1 course)

EARTHSCI 1200 (870:021)	Elements of Weather
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers ^
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography ^
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments ^
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
LYHS/HISUS 4556	History of Outdoor Recreation
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
MGMT 3183	Leadership Skills ^
MGMT 3185	Project Management ^
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship

or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion
Total Hours	32

- * For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 2052 (840:052) and CHEM 1120 (860:048) for BIOL 3000-level courses.
- ** For students pursuing the Environmental Resource Management B.A. degree, the Department of Biology will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4000-level courses.
- ^ These courses have additional prerequisites as follows:
 ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077) and one of the following - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g) or consent of instructor; junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 GEOG 4240/5240 (970:155g) has prerequisites of GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031); or consent of instructor; junior standing.
 MGMT 3183 and MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 3350/5350 (870:173g)	Environmental Hydrology ^
EARTHSCI 3322	Earth Materials ^
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography * ^
or	
EARTHSCI 3345/5345 (870:171g)	Environmental Geology ***

List of Programs by Department

GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4210/5210 (970:127g)	Climatology
or EARTHSCI 1200 (870:021)	Elements of Weather
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment
LYHS 2335 (430:060)	Principles of Nonprofit Organizations
Secondary Focus - Management Cognates	
BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management *
BIOL 4180/5180 (840:180g)	Restoration Ecology **
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology ****
EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology
ECON 3225/5225 (920:123g)	Environmental Economics ^
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers ^
GEOG 3230 (970:144)	Natural Regions of North America
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning
GEOG 4240/5240 (970:155g)	Reconstructing Ice Age Environments *
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic) ^
GEOG 4320/5320 (970:174g)	Geographic Information Systems II ^
LYHS 4556/5556	History of Outdoor Recreation
or HISUS 4556/5556	History of Outdoor Recreation
LYHS 2770 (430:070)	Principles of Tourism
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism #
MGMT 3185	Project Management ^
POL AMER 3172/5172 (942:172)	Public Budgeting ^
BIOL 3179 (840:179)	Cooperative Education ^
or GEOG 3179 (970:179)	Cooperative Education in Geography
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education

or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion

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 (970:026) and GEOG 1211 or EARTHSCI 1300 (870:031) as the prerequisite for enrollment into all listed Geography courses except GEOG 4310/5310 (970:170g) and GEOG 4320/5320 (970:174g).
- ** ** The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4105/5105 (840:105g) and BIOL 4180/5180 (840:180g).
- *** ** The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as substitutes for courses that require EARTHSCI 1300 (870:031).
- **** ** The Earth and Environmental Sciences Department will waive the requirement of EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).
- # # The Department of Health, Recreation and Community Services will waive LYHS 2770 (430:070) as a prerequisite for LYHS 4776/5776 (430:170g).

List of Programs by Department

^ These courses have additional prerequisites as follows:
 EARTHSCI 3322 has a prerequisite of EARTHSCI 1300 (870:031).
 EARTHSCI 3350/5350 (870:173g) has prerequisites of EARTHSCI 1300 (870:031); junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 ECON 3225/5225 (920:123g) has prerequisites of ECON 1041 (920:053), ECON 1051 (920:054); junior standing.
 ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing.
 GEOG 4310/5310 (970:170g) has prerequisites of GEOG 3310 (970:164); junior standing.
 GEOG 4320/5320 (970:174g) has prerequisites of GEOG 3310 (970:164) or consent of instructor; junior standing.
 MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 (970:028)	Recent Climate Change	
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning	
GEOG 3210 (970:137)	Natural Hazards and Disasters	
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	
LYHS 2335 (430:060)	Principles of Nonprofit Organizations	
LYHS 3337 (430:154)	Human Resource Development for Leisure, Youth and Human Services	
LYHS 4115/5115 (430:168g)	Areas and Facilities for Leisure, Youth and Human Services **	

LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment	
LYHS/HISUS 4556	History of Outdoor Recreation	
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism ^	
Secondary Focus - Cognates		9
BIOL 4167/5167 (840:167g)	Conservation Biology **	
GEOG 3230 (970:144)	Natural Regions of North America	
GEOG 4220/5220 (970:126g)	Soils and Landscapes	
GEOG 4230/5230 (970:129g)	Rivers	
GEOG 4210/5210 (970:127g)	Climatology	
GEOG 4250/5250 (970:185g)	Laboratory Methods in Environmental Geography	
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic)	
GEOG 4320/5320 (970:174g)	Geographic Information Systems II	
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication ^	
or ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers	
HPE 4665/5665 (410:165g)	Environmental Health Science	
LYHS 2770 (430:070)	Principles of Tourism	
LYHS 4552/5552 (430:130g)	Theory and Practice of Experiential Education	
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation	
LYHS 4779/5779 (430:138g)	Community Planning Workshop	
MGMT 3185	Project Management ^	
POL AMER 3172/5172 (942:172)	Public Budgeting ^	
GEOG 3179 (970:179)	Cooperative Education in Geography ^	
or BIOL 3179 (840:179)	Cooperative Education	
or EARTHSCI 3430 (870:195)	Internship	
or LYHS 4095 (430:187)	Internship	
or HPE 4768 (410:168)	Field Experience in Health Promotion	
Other courses as approved by advisors and program director		
Total Hours		30

* The Biology Department will waive BIOL 3140 (840:140) as a prerequisite for BIOL 4167/5167 (840:167g).

** The Geography Department and the Department of Health, Recreation and Community Services will waive LYHS 3060 (430:110) as a prerequisite for enrollment into LYHS 4115/5115 (430:168g).

^ These courses have additional prerequisites as follows:
 LYHS 4776/5776 (430:170g) has prerequisites of LYHS 2770 (430:070) or consent of instructor; junior standing.
 ENGLISH 4775/5775 (620:105g) has prerequisites of MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing.
 ENGLISH 4785/5785 (620:177g) has prerequisites of ENGLISH 2770 (620:077); one of the following courses - INSTTECH 4170/5170 (240:170g), ART 3030 (600:125), ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), ENGLISH 4775/5775 (620:105g), ENGLISH 4780/5780 (620:107g), or consent of instructor; junior standing.
 MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 POL AMER 3172/5172 (942:172) has prerequisites of POL AMER 1014 (942:014); POL AMER 1048 (942:048).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent 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 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
ECON 3225/5225 (920:123g)	Environmental Economics	3
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	3
PHIL 2550	Environmental Ethics	3

Primary Focus - Content Related Courses 10

EARTHSCI 1200 (870:021)	Elements of Weather
EARTHSCI 1400	Introduction to Environmental Earth Science
EARTHSCI 3230/5230 (870:123g)	Air Quality ^
EARTHSCI 3345/5345 (870:171g)	Environmental Geology *
or	
GEOG 3220 (970:100)	Environmental Geography
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology *

Secondary Focus - Cognates 7

EARTHSCI 3240/5240 (870:124g)	Air Quality Modeling ^
EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality ** ^

EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology ***
EARTHSCI 3355/5355 (870:175g)	Hydrogeology *
GEOG 4220/5220 (970:126g)	Soils and Landscapes
GEOG 4230/5230 (970:129g)	Rivers
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
HPE 4665/5665 (410:165g)	Environmental Health Science
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment
MGMT 3153 (150:153)	Organizational Management *
MGMT 3185	Project Management ^
POL AMER 1048 (942:048)	Introduction to Public Administration
GEOG 3179 (970:179)	Cooperative Education in Geography ^
or BIOL 3179 (840:179)	Cooperative Education
or EARTHSCI 3430 (870:195)	Internship
or LYHS 4095 (430:187)	Internship
or HPE 4768 (410:168)	Field Experience in Health Promotion

Other courses as approved by advisors and program director

Total Hours 32

* The Earth and Environmental Sciences Department will accept GEOG 1210 (970:026) and GEOG 1211 as a substitute for courses that require EARTHSCI 1300 (870:031).

** The Earth and Environmental Sciences Department will waive EARTHSCI 3230/5230 (870:123g) as a prerequisite for enrollment into EARTHSCI 3240/5240 (870:124g) and EARTHSCI 3250/5250 (870:177g).

*** The Earth and Environmental Sciences Department will waive the requirement for EARTHSCI 1320 (870:035) for EARTHSCI 3325/5325 (870:136g).

List of Programs by Department

^ These courses have additional prerequisites as follows:
 EARTHSCI 3230/5230 (870:123g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
 GEOG 3220 (970:100) has a prerequisite of GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor.
 EARTHSCI 3240/5240 (870:124g) has prerequisites of EARTHSCI 1200 (870:021); junior standing.
 EARTHSCI 3250/5250 (870:177g) has prerequisites of EARTHSCI 1200 (870:021); junior standing and a prerequisite or corequisite of EARTHSCI 3230/5230 (870:123g).
 MGMT 3185 has a prerequisite of MGMT 3153 (150:153).
 GEOG 3179 (970:179) has prerequisites of 15 hours of geography at UNI; cumulative GPA of 2.50; junior standing; consent of department.
 LYHS 4095 (430:187) has prerequisites of senior standing; consent of Internship Coordinator and a corequisite of LYHS 4090 (430:184).
 HPE 4768 (410:168) has prerequisites of HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent of Health Promotion and Education Coordinator of Student Field Experiences.

Athletic Training

Bachelor of Arts Degree Program

Athletic Training & Rehabilitation Studies Major

The Athletic Training & Rehabilitation Studies major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 Health, Recreation and Community Services Academic Advisor.

All program information is available at the athletic training program office (003 HPC) or our Web site www.uni.edu/athletic-training.

Required Core

Athletic Training & Rehabilitation Studies:

AT 1010 (42T:023)	Introduction to Athletic Training and Applied Health Care
AT 3020	Clinical Anatomy
AT 3030	Acute Care in Athletic Training

AT 3040 (42T:137)	Foundations of Orthopedic Injury Assessment & Pathology I
AT 3050 (42T:134)	Foundations of Orthopedic Injury Assessment & Pathology II
AT 3091	Foundations of Pharmacology
AT 3186 (Studies in Clinical Health Care Experience, minimum 1 hour, but may be repeated for a maximum of 8 hours over 4-6 semesters)	
AT 3186 (Studies in Health Care Organization & Professional Responsibility, 3 hrs.)	
AT 3186 (Studies in Foundations of Therapeutic Interventions, 3 hrs.)	
Biology:	
BIOL 2052 (840:052)	General Biology: Cell Structure and Function
BIOL 3101 (840:101)	Anatomy and Physiology I BIOL 3101 Anatomy and Physiology I prerequisites are not required for Athletic Training majors.
BIOL 3102 (840:102)	Anatomy and Physiology II
Chemistry & Biochemistry	
CHEM 1110 (860:044)	General Chemistry I *
Physics:	
PHYSICS 1511 (880:054)	General Physics I *
Mathematics:	
STAT 1772 (800:072)	Introduction to Statistical Methods *
Major Electives (select a minimum of 9 hours from the following):	
HPE 4161/5161 (410:161g)	Global Service Mission **
HPE 4247/5247 (410:147g)	Minority Health
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion
HPE 4438/5438 (410:138g)	International Health
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions
HPE 1101 (410:005)	Introduction to Public Health
PEMES 3151 (420:151)	Introductory Biomechanics **
PEMES 3153 (420:153)	Physiology of Exercise **
PEMES 3157 (420:157)	Sports Nutrition **
Total Hours	56

* * Satisfactory score on ALEKS exam required for CHEM 1110 (860:044), PHYSICS 1511 (880:054), and STAT 1772 (800:072).

** These courses have additional prerequisites as follows:
 HPE 4161/5161 (410:161g) has a prerequisite of HPE 4167/5167 (410:167g).
 PEMES 3151 (420:151) has a prerequisite of PEMES 2050 (420:050).
 PEMES 3153 (420:153) has a prerequisite of either PEMES 2050 (420:050) or AT 3020.
 PEMES 3157 (420:157) has a prerequisite of AT 3020.

Masters of Athletic Training Degree

Academic Standard Policy

Major Requirements

General Explanation: UNI offers a Professional Graduate Athletic Training major or a Masters of Athletic Training. Accreditation by the Commission on Accreditation of Athletic Training Education (CAATE) is being pursued. Students interested in pursuing this major must apply and be formally admitted to this program. Students should apply for the Masters of Athletic Training program through the Office of Admissions and through ATCAS. Program admission is based on undergraduate GPA, completion of prerequisite courses, program application materials, completion of the Graduate Record Exam (GRE), 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 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 study admission can be found at www.grad.uni.edu/admission. Applications will begin to be reviewed October 1 of each year.

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.

1. **Prerequisite courses required:** A Bachelor's degree must be earned prior to entry into the Masters of Athletic Training. Additional prerequisite undergraduate courses (or equivalent) include: General Biology: Cell Structure & Function, General Chemistry I, Physics I, Statistics, Developmental Psychology OR Abnormal Psychology, Anatomy and Physiology I & II with a laboratory components, and Introduction to Athletic Training & Applied Health Care. Additionally, students need to be First Aid and CPR certified prior to beginning the Masters of Athletic Training program. 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 Masters of Athletic Training Program, students must complete the application process. The following list of items are required as part of the application process.
 - a. Achieved a bachelor's degree
 - b. Completion of course prerequisites as listed above
 - c. Application forms: UNI Admissions Office and Athletic Training via ATCAS (online national centralized application system)
 - d. CPR certification for the Professional Rescuer
 - e. First Aid Certification
 - f. 50 hours of athletic training observation experience
 - g. OSHA/Blood-borne pathogen certification (This must be obtained *before* beginning any clinical experience. This training is offered free of charge at UNI every semester.)
 - h. Technical standards form
 - i. Criminal background check (\$15)
 - j. Undergraduate cumulative GPA of 3.0 or greater

k. HIPAA Privacy Training

l. Personal statement

m. GRE score

n. Three letters of recommendation

3. Application Process:

- a. Obtain the application documents from the Admissions website, and ATCAS
- 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. Notification of admittance will be made around mid-March of each year.
6. Upon acceptance into the Masters 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)
7. To graduate from UNI with a Masters 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 Masters of Athletic Training academic major. This includes that a student be enrolled in the athletic training program for a minimum of four semesters.
8. All other program information is available at the athletic training program office (003 HPC) or our Web site www.uni.edu/athletic-training.

Athletic Training Major

The Masters of Athletic Training major requires a minimum of 60 total hours to graduate.

The Masters 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 required for admission to the program.

List of Programs by Department

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 60 semester credit hours** is required. The non-thesis option requires 3 hours of AT 6299 (42T:299). **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 grade for any repeated course will be included in the computation for the Plan GPA, as well as in the overall cumulative GPA.**

Prerequisite Core:		28
AT 1010 (42T:023)	Introduction to Athletic Training and Applied Health Care (or equivalent)	2
BIOL 2052 (840:052)	General Biology: Cell Structure and Function	4
BIOL 3101 (840:101)	Anatomy and Physiology I (or equivalent)	4
BIOL 3102 (840:102)	Anatomy and Physiology II (or equivalent)	4
CHEM 1110 (860:044)	General Chemistry I	4
PHYSICS 1511 (880:054)	General Physics I	4
STAT 1772 (800:072)	Introduction to Statistical Methods	3
PSYCH 2202 (400:120) or PSYCH 3403/5403 (400:142g)	Developmental Psychology Abnormal 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 6030	Advanced Acute Care in Athletic Training	3
AT 6032	Advanced Acute Care Clinical Skills	1
AT 6060	Athletic Training Organization & Professional Responsibility	3
AT 6070	Advanced Therapeutic Interventions I	3
AT 6072	Advanced Therapeutic Interventions I Clinical Skills	1
AT 6080	Advanced Therapeutic Interventions II	3

AT 6082	Advanced Therapeutic Interventions II Clinical Skills	1
AT 6100	Advanced Clinical Anatomy	3
AT 6130	General Medical Assessment & Referral	3
AT 6150	Advanced Athletic Training Clinical Skills	2
AT 6210 (42T:210)	Pathoetiology and Orthopaedic Assessment I	3
AT 6215	Pathoetiology and Orthopaedic Assessment I Clinical Skills	1
AT 6220 (42T:220)	Pathoetiology and Orthopaedic Assessment II	3
AT 6225	Pathoetiology and Orthopaedic Assessment II Clinical Skills	1
AT 6255	Preventative Health Techniques	3
AT 6260 (42T:250)	Orthopaedic Surgical Interventions	3
AT 6275	Mental Health Care in Athletic Training Practice	3
Kinesiology, Allied Health, & Human Services, Interdepartmental: 6 credits		
KAHHS 6210	Quantitative Methods in KAHHS	3
KAHHS 6290	Research Methods for KAHHS	3
Research: 3 credit hours (Non-thesis)		
AT 6299 Research		3
Total hours		60-62

Health Promotion and Education Bachelor of Arts Degree Programs Health Promotion Major

The Health Promotion major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by italics.

Accreditation/Credentialing Areas include the following:

Wellness and Fitness (54 hours)

Women's Health (52 hours)

Global Health and Humanitarian Assistance (51 hours)

Environmental Health: Science Intensive (54-55 hours)

Community Nutrition Track (47 hours)

Health Promotion 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

List of Programs by Department

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 public health theory, anatomy, human diseases, environmental health science, epidemiology (how diseases are spread,) and how to address risky lifestyle behaviors (i.e., tobacco/alcohol/substance abuse, lack of physical activity, poor nutrition, intentional and unintentional injuries, high levels of stress, and unsafe sexual behaviors.)

A minimum 2.50 GPA will be required for admission to HPE 4768 (410:168) Field Experience in Health Promotion. Successful completion of HPE 3693 (410:193) Internship Seminar and a minimum of 2.50 GPA will be required for admission. A student declaring a major in Health Promotion will complete the core plus one accreditation/credentialing area. All students are encouraged to meet with their faculty advisor to discuss their career goals and aspirations. To graduate with a major in Health Promotion a student must have a cumulative GPA of 2.50 in all course work taken at UNI or transferred from another institution.

A student may declare more than one credentialing area within the Health Promotion major. The Environmental Health credentialing area requires 3 hours HPE 4768 (410:168) Field Experience in Health Promotion; the remaining credentialing areas of Wellness and Fitness, Women's Health, Global Health and Humanitarian Assistance, and Community Nutrition require 9 hours HPE 4768 (410:168) Field Experience in Health Promotion. If a student does choose the Environmental Health credentialing area and another credentialing area, those students will complete 3 hours of field experience in Environmental Health and 6 hours in their other credentialing area. Students should speak with their advisor regarding this.

Required common core for all areas:

Health Promotion and Education:

HPE 1101 (410:005)	Introduction to Public Health	2
HPE 3693 (410:193)	Internship Seminar	3
HPE 4663/5663 (410:163g)	Human Diseases	3
HPE 4393/5393	Epidemiological Methods, Research Design, and Analysis	3
HPE 4665/5665 (410:165g)	Environmental Health Science	3
HPE 4768 (410:168)	Field Experience in Health Promotion	3-9

(HPE 4768 (410:168) - 3 hrs. for Environmental Health area:
9 hrs. for other areas)

Total Hours 17-23

Choose one of the following five accreditation/credentialing areas:

Accreditation/Credentialing Area - Wellness and Fitness

Required:

Health Promotion and Education:

HPE 3118 (410:118)	Teaching Aerobics	1
HPE 4155 (410:155g)	Stress Management	2
HPE 4164 (410:164g)	Health Care and the Consumer	2
HPE 4353/5353 (410:153g)	Public Health Theory	3

HPE 4373/5373	Planning and Evaluating Health Promotion Programs	4
HPE 4383/5383	Health Promotion Implementation and Advocacy	4
HPE 4431/5431 (410:131g)	Worksite Health Promotion	3
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	3
Physical Education:		
PEMES 2050 (420:050)	Anatomy and Physiology of Human Movement	3
PEMES 3153 (420:153)	Physiology of Exercise	3
PEMES 3156 (420:156)	Fitness Assessment and Programming	3
Total hours for Health and Fitness Promotion Area		54

Accreditation/Credentialing Area - Women's Health

Required:

Health Promotion and Education:

HPE 2120 (410:020)	Maternal and Infant Health	3
HPE 4162/5162 (410:162g)	Introduction to Women's Health	3
HPE 4328/5328 (410:128g)	Selected Topics in Women's Health	3
HPE 4353/5353 (410:153g)	Public Health Theory	3
HPE 4373/5373	Planning and Evaluating Health Promotion Programs	4
HPE 4383/5383	Health Promotion Implementation and Advocacy	4
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	3
Electives (6 hours from the following):		6

Family Services:

FAM SERV 1057 (31F:057)	Human Relationships and Sexuality	
FAM SERV 3155/5155 (31F:155g)	Parenting (^)	
FAM SERV 4157/5157 (31F:157g)	Human Sexuality Education (^)	

Psychology:

PSYCH 2201 (400:060)	Psychology of Gender (^)	
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Health Promotion and Education:

HPE 4125/5125 (410:125g)	Aging and Health	
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Leisure, Youth and Human Services:

LYHS 4055 (430:151)	Financial Resource Management for LYHS Agencies	
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Communication Studies:

COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4347/5347 (48C:142g)	Family Communication (^)	

Humanities:

WGS 1040 (680:040)	Women's and Gender Studies: Introduction	
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Social Science:

SOC SCI 1020 (900:020)	Women, Men, and Society	
SOC SCI 1045 (900:045)	American Racial and Ethnic Minorities	

List of Programs by Department

United States History:		
HISUS 4260/5260 (961:146g)	United States Women's History	
Sociology:		
SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective (^)	
Total hours for Women's Health Area		52
Accreditation/Credentialing Area - Global Health and Humanitarian Assistance		
Required:		
Health Promotion and Education:		
HPE 4161/5161 (410:161g)	Global Service Mission (3 hours required)	3
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions	3
HPE 4247/5247 (410:147g)	Minority Health	3
HPE 4353/5353 (410:153g)	Public Health Theory	3
HPE 4373/5373	Planning and Evaluating Health Promotion Programs	4
HPE 4383/5383	Health Promotion Implementation and Advocacy	4
HPE 4438/5438 (410:138g)	International Health	3
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	3
Total Hours for Global Health and Humanitarian Assistance Area		49
Accreditation/Credentialing Area - Environmental Health: Science Intensive		
Required:		
Health Promotion and Education:		
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	3
HPE 4667/5667	Human Toxicology for Environmental and Occupational Health: Principles and Applications	3
Biology:		
BIOL 2051 (840:051)	General Biology: Organismal Diversity	4
BIOL 2052 (840:052)	General Biology: Cell Structure and Function	4
BIOL 3151 (840:151)	General Microbiology	4
Chemistry and Biochemistry:		8-9
CHEM 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II	
or		
CHEM 2040 & CHEM 1130 (860:070)	Applied Organic and Biochemistry and General Chemistry I-II	
Electives (select 3 hours from the following):		3
Health Promotion and Education:		
HPE 4580/5580 (410:180g)	Environmental Health, Field Methods, Technology, and Laboratory Applications	
Biology:		

BIOL 3140 (840:140)	Genetics	
BIOL 3147 (840:147)	Cancer and Emerging Infectious Diseases	
BIOL 3170 (840:170)	Entomology	
BIOL 4150/5150 (840:150g)	Immunology	
BIOL 4168/5168 (840:168g)	Ecology	
BIOL 4180/5180 (840:180g)	Restoration Ecology	
Chemistry and Biochemistry:		
CHEM 2310 (860:132)	Chromatography and Quantitative Analysis	
Earth Science:		
EARTHSCI 1300 (870:031)	Introduction to Geology	
EARTHSCI 3345/5345 (870:171g)	Environmental Geology	
Total hours for credentialing area Environmental Health: Science Intensive		46-47
Accreditation/Credentialing Area - Community Nutrition Track		
Required:		
Health Promotion and Education:		
HPE 1030	Basic Nutrition	2
HPE 1031	Nutrition for Early Childhood Education	2
HPE 4161/5161 (410:161g)	Global Service Mission (3 hours required)	3-6
HPE 4353/5353 (410:153g)	Public Health Theory	3
HPE 4373/5373	Planning and Evaluating Health Promotion Programs	4
HPE 4383/5383	Health Promotion Implementation and Advocacy	4
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	3
Electives (select 3 hours from the following):		3
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions	
HPE 4247/5247 (410:147g)	Minority Health	
HPE 4438/5438 (410:138g)	International Health	
Total Hours for Community Nutrition Area		47

Minors

Health Education Minor-Teaching

Current First Aid and CPR certification is required of all minors prior to student teaching.

Required:		
Methods course:		2-3
HPE 3240 (410:140)	Secondary School Health Education Methods *	
or KAHHS 2045	Health and Physical Education for Elementary Teachers	
Applied Human Sciences, School of:		3
FAM SERV 1057 (31F:057)	Human Relationships and Sexuality **	
or FAM SERV 1020 (31F:020)	Family Relationships	
Health Promotion and Education:		14-17

HPE 4155 (410:155g) or EDPSYCH 4118/5118 (200:118g)	Stress Management Mental Health and Well-Being in the Classroom
HPE 3230 or PSYCH 3102/5102 (400:170g)	Drug Prevention Education for School Health Educators Drugs and Individual Behavior
CAP 3160 (CAP:160) or HPE 1101 (410:005)	Community and Public Health Introduction to Public Health
HPE 3344 (410:144)	Health Education Curriculum
PEMES 2053 (420:053) or HPE 4551/5551 (410:151g)	Physical Activity and Nutrition for Health and Fitness Nutrition for Health Promotion
Both KAHHS 1020 and KAHHS 1030 Dimensions of Wellbeing OR	
HPE 4164 (410:164g)	Health Care and the Consumer
HPE 3220	Human Diseases for School Health Educators

Electives: Remaining hours of health-related electives for the
K-8 and 5-12 endorsement to total a minimum of 26 hours. ***

Total hours 26

- * KAHHS 2045 Health and Physical Education for
Elementary Teachers for the K-8 endorsement
and HPE 3240 (410:140) Secondary School Health
Education Methods for the 5-12 endorsement.
- ** FAM SERV 1020 (31F:020) Family Relationships for
K-8 endorsement or FAM SERV 1057 (31F:057) Human
Relationships and Sexuality for 5-12 endorsement.
- *** Approved electives include EDPSYCH 2030 (200:030)
Dynamics of Human Development, PEMES 2019 First
Aid and CPR for Physical Educators, PEMES 2050
(420:050) Anatomy and Physiology of Human Movement,
PEMES 3151 (420:151) Introductory Biomechanics,
PEMES 3153 (420:153) Physiology of Exercise,
PEMES 4152/5152 (420:152g) Adapted Physical
Education or other electives approved by Health Education.

Health Promotion Minor

Liberal Arts core courses included in minor program
requirements are distinguished by italics.

Required:

Health Promotion and Education:	21
HPE 1101 (410:005)	Introduction to Public Health
HPE 4164 (410:164g)	Health Care and the Consumer
HPE 4353/5353 (410:153g)	Public Health Theory
HPE 4373/5373	Planning and Evaluating Health Promotion Programs *
HPE 4383/5383	Health Promotion Implementation and Advocacy
HPE 4393/5393	Epidemiological Methods, Research Design, and Analysis
HPE 4663/5663 (410:163g)	Human Diseases
Total Hours	21

- * This course has additional prerequisites as follows:
HPE 4373/5373 has prerequisite of STAT 1772 (800:072)
Introduction to Statistical Methods. STAT 1772 (800:072)
Introduction to Statistical Methods may be used to satisfy
Category 1C of the Liberal Arts Core.

Master of Arts Degree Program

Major in Health Education

The Master of Arts degree in Health Education provides post-graduate academic training for individuals employed in or planning to seek employment as public health practitioners and health educators in a wide variety of settings including public, academic, hospital/clinical, community/non-profit, and corporate settings. This degree program provides graduate level training designed to prepare public health and health promotion professionals to design, implement, and evaluate interventions working in a wide range of health, public health and health promotion areas. The post-graduate training program enhances the leadership and research skills of public health workers, preparing them for positions of progressive responsibility within their chosen career.

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 Health Promotion and Education (within the Department of Health, Recreation and Community Services) for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/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 **thesis** and **non-thesis** options. A **minimum of 30-34 semester hours** is required, depending on the emphasis chosen. Additional hours may be required, if, upon entering the graduate program, the student needs background courses. The **thesis** option requires 6 hours of thesis research HPE 6299 (410:299). The **non-thesis** option requires a research paper for 2 hours credit HPE 6299 (410:299). **A minimum of 12 hours, exclusive of HPE 6299 (410:299) credit, must be at the 200/6000-level.**

Successful completion of a final written comprehensive examination is required for **both the thesis and non-thesis options**.

Two emphases are offered on this major:

I. Health Promotion/Fitness Management Emphasis

Required:

Choose one of the following: 3
Kinesiology, Allied Health and Human Services,
Interdepartmental:

KAHHS 6210	Quantitative Methods in KAHHS
or KAHHS 6215	Qualitative Methods

Choose one of the following: 3
Measurement and Research:

List of Programs by Department

MEASRES 6205 (250:205)	Educational Research	
or KAHHS 6290	Research Methods for KAHHS	
Health Promotion and Education:		
HPE 4393/5393	Epidemiological Methods, Research Design, and Analysis	3
HPE 4431/5431 (410:131g)	Worksite Health Promotion	3
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	3
HPE 6271 (410:271)	Cardiovascular Physiology	3
HPE 6390 (410:290)	Philosophy and Ethics of Public Health and Health Promotion	3
Health Promotion Graduate Seminar:		
HPE 6289 (410:289)	Seminar	1
Management:		
MGMT 3965/5965 (150:165g)	Organizational Behavior	3
Physical Education:		
PEMES 6253 (420:253)	Advanced Exercise Physiology	3
Research:		
HPE 6299 (410:299)	Research	2 or 6
Thesis option (6 hrs.)		
Non-thesis option (2 hrs.)		
Total hours thesis option		34
Total hours non-thesis option		30

II. Community Health Education Emphasis

Required:

Health Promotion and Education:		
HPE 4353/5353 (410:153g)	Public Health Theory	3
HPE 4161/5161 (410:161g)	Global Service Mission	3-6
HPE 4373/5373	Planning and Evaluating Health Promotion Programs	4
HPE 4663/5663 (410:163g)	Human Diseases	3
HPE 4393/5393	Epidemiological Methods, Research Design, and Analysis	3
HPE 4665/5665 (410:165g)	Environmental Health Science	3
HPE 6220 (410:220)	Health Determinants	3
or HPE 4247/5247 (410:147g)	Minority Health	
HPE 6289 (410:289)	Seminar	1
HPE 6390 (410:290)	Philosophy and Ethics of Public Health and Health Promotion	3
Kinesiology, Allied Health and Human Services, Interdepartmental:		
KAHHS 6290	Research Methods for KAHHS	3
Research		
HPE 6299 (410:299)	Research	2 or 6
Thesis option (6 hrs.)		
Non-thesis option (2 hrs.)		

Total hours Thesis option	35
Total hours Non-thesis option	31

HPE 6299

Thesis option (6 hrs):

- Minimum of 3 committee members, comprehensive exam, and oral defense, plus culminating substantive graduate paper on a research project: OR

Non-Thesis Option (2 hrs.)

- Minimum of 1 committee member and no oral defense, plus culminating substantive graduate paper on an applied field project that addresses one or more of the following areas: a detailed literature review on subject matter relevant to a field project; a needs assessment; program implementation strategies that demonstrate theory-to-practice models; and/or evaluation research on field project outcomes.

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.

Environmental Health Certificate

Required:	9
Health Promotion and Education/Environmental Science:	6
HPE/ENV SCI 4665	Environmental Health Science
HPE/ENV SCI 4666	Environmental and Occupational Health Regulations
Health Promotion:	3
HPE 4663/5663 (410:163g)	Human Diseases
Electives: 6 hours chosen from either or both of the following categories:	6
I. Public Health Focus Area:	
Health Promotion and Education:	
HPE 4162/5162 (410:162g)	Introduction to Women's Health
HPE 4373/5373	Planning and Evaluating Health Promotion Programs
HPE 4383/5383	Health Promotion Implementation and Advocacy
HPE 4393/5393	Epidemiological Methods, Research Design, and Analysis
Biology:	
BIOL 3147 (840:147)	Cancer and Emerging Infectious Diseases
II. Environmental Sciences Focus Area:	
Biology:	
BIOL 3151 (840:151)	General Microbiology

BIOL 4167/5167 (840:167g)	Conservation Biology
Environmental Science:	
ENV SCI 6200 (830:200)	Environmental Biology
ENV SCI 6235 (830:235)	Topics in Environmental Chemistry
Total Hours	15

Certificate in Global Health and Humanitarian Assistance

Required:

Health Promotion and Education:		12-15
HPE 4161/5161 (410:161g)	Global Service Mission	
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions	
HPE 4247/5247 (410:147g)	Minority Health	
HPE 4438/5438 (410:138g)	International Health	
Total Hours		12-15

Leisure, Youth and Human Services

Academic Policies

Major Requirements

The following criteria shall be used to determine student eligibility for the Leisure, Youth and Human Services 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.

Within one semester after full admission to the major, students must file an approved undergraduate Program of Study, including all electives to be taken for 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 Leisure, Youth and Human Service 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.
4. Students are required to demonstrate computer competency prior to enrolling in seminar.

Minor Requirements

Admission to the Leisure, Youth and Human Services and Youth Services Administration minors requires students to have a cumulative UNI GPA of 2.00. To graduate with a minor in Leisure, Youth and Human Services, 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

Leisure, Youth and Human Services Major

The Leisure, Youth and Human Services major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Leisure, Youth and Human Services 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 Leisure, Youth and Human Services program is accredited by NRPA/AALR.

The Leisure, Youth and Human Services major requires all students to take a common core of courses with additional supporting courses in areas of professional interest.

Required core:

Leisure, Youth and Human Services:		35
LYHS 2010 (430:010)	Introduction to Leisure, Youth and Human Services	
LYHS 2020 (430:020)	Leadership in Leisure, Youth and Human Services	
LYHS 3050 (430:114)	Management of Leisure, Youth and Human Services	
LYHS 3060 (430:110)	Programming for Leisure, Youth and Human Services	
LYHS 3121 (430:121)	Philosophical Foundations of Leisure, Youth and Human Services	
LYHS 4070/5070 (430:169g)	Research and Evaluation in Leisure, Youth and Human Services	
LYHS 4080 (430:189)	Seminar (2 hrs.)	
LYHS 4090 (430:184)	Senior Project (3 hrs.)	
LYHS 4095 (430:187)	Internship (12 hrs.)	
Students will work with their assigned advisor to develop an area of professional interest with appropriate corresponding LYHS supporting courses:		21
Total Hours		56

List of Programs by Department

Minor

For Academic Policies regarding minors within the Division of Leisure, Youth and Human Services see Minor Requirements.

Leisure, Youth and Human Services Minor

Required:

Leisure, Youth and Human Services:	12
LYHS 2010 (430:010)	Introduction to Leisure, Youth and Human Services
LYHS 2020 (430:020)	Leadership in Leisure, Youth and Human Services
LYHS 3030 (430:030)	Inclusive Recreation and Diversity in LYHS
LYHS 3060 (430:110)	Programming for Leisure, Youth and Human Services
Electives (select two of the following):	6
Leisure, Youth and Human Services:	
LYHS 3050 (430:114)	Management of Leisure, Youth and Human Services
LYHS 3121 (430:121)	Philosophical Foundations of Leisure, Youth and Human Services
LYHS 3991/5991 (430:123)	Principles of Therapeutic Recreation II
LYHS 4070/5070 (430:169g)	Research and Evaluation in Leisure, Youth and Human Services
LYHS 4115/5115 (430:168g)	Areas and Facilities for Leisure, Youth and Human Services
LYHS 4116/5116 (430:172g)	Festivals and Special Events Management
Total Hours	18

Master of Arts Degree Program

Major in Leisure, Youth and Human Services

This major is designed to foster preparation for professional leadership roles in the administration of leisure, youth and human services agencies. The program offers the student the opportunity to take an active role in determining personal learning objectives and developing individual programs of study. The program supports professional development through the utilization of relevant philosophy, content, and skills in order to provide management and leadership for effective and efficient delivery of leisure, youth and human services. Students are encouraged to focus on study that has direct relevance to professional practice. Students can design programs of study for work in campus recreation, nonprofit settings, community recreation, tourism organizations, sports administration, and outdoor resource management.

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 Leisure, Youth and Human Services (within the Department of Health, Recreation and Community Services) for other application requirements. Graduate

information and application for graduate admission can be found at www.grad.uni.edu/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 **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. Up to an additional 12 hours of undergraduate work may be required for students who do not have undergraduate preparation in the area. **The thesis option requires a minimum of 15 hours of 200/6000-level course work, including 6 hours of LYHS 6299 (430:299) Research . The non-thesis option requires a minimum of 12 hours of 200/6000-level course work, including 3 hours of LYHS 6299 (430:299) Research .** Successful completion of a final comprehensive examination (research paper/thesis) is required for **both the thesis and non-thesis options**. A final oral comprehensive examination will occur simultaneously during the oral defense of the research paper or thesis.

Required: *

Minimum of one research course from the following:	3
Kinesiology, Allied Health and Human Services, Interdepartmental:	
KAHHS 6215	Qualitative Methods
KAHHS 6290	Research Methods for KAHHS
Sociology:	
SOC 4025/5025 (980:160g)	Quantitative Research
Statistical Analysis course:	3
Health, Physical Education, and Leisure Services, Interdepartmental:	
KAHHS 6210	Quantitative Methods in KAHHS
Research:	3 or 6
LYHS 6299 (430:299)	Research
Thesis option (6 hrs.)	
Non-thesis option (3 hrs.)	
Leisure, Youth and Human Services:	6
LYHS 6200 (430:240)	Historical and Philosophical Foundations of Leisure, Youth and Human Services
At least one of the following:	
LYHS 6201 (430:201)	Social Policy and Issues in Leisure, Youth and Human Services
LYHS 6202 (430:202)	Social Psychology of Leisure
Select from the following of PEMES/420:xxx/5xxx/6xxx, LYHS/430:xxx/5xxx/6xxx, KAHHS/440:xxx/5xxx/6xxx or other graduate level courses on campus as approved by advisor:	18
Total hours thesis option	36
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.

Aquatics Specialization Certificate

The purpose of this certificate is to develop and produce quality graduates who have the appropriate skills and certifications to obtain employment in the aquatic profession. Upon completion of the certificate, students will be able to teach Lifeguarding, Water Safety, and be certified as a pool operator through national certifications.

Required:

Physical Education:	7
PEMES 2011 (420:011)	Fundamental Physical Activities -- Aquatics
PEMES 2060 (420:060)	Lifeguard Training and Instruction
PEMES 2061 (420:061)	Water Safety Instruction
PEMES 3120 (420:120)	Certified Pool Operators
Leisure, Youth and Human Services:	6
LYHS 2010 (430:010)	Introduction to Leisure, Youth and Human Services
LYHS 3060 (430:110)	Programming for Leisure, Youth and Human Services
Electives: 5 hours as approved by advisor, selected from the following:	5
Physical Education:	
PEMES 1A39 (420:A39) (Canoeing, 1 hr.)	
PEMES 1A66 (420:A66) (Skin & Scuba Diving, 2 hrs.)	
PEMES 3168 (420:168)	Assisting in Physical Activity and Wellness
PEMES 3186 (420:186) (Studies in PE: Coaching Swimming, 2 hrs.)	
PEMES 3186 (420:186) (Studies in Small Craft Safety/Water Rescue, 1 hr.)	
PEMES 3186 (420:186) (Studies in Physical Education: Lifeguard Instructor Training, 1 hr.)	
Leisure, Youth and Human Services:	
LYHS 4115/5115 (430:168g)	Areas and Facilities for Leisure, Youth and Human Services
Total Hours	18

Nonprofit Management 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:

Youth and Human Service Administration:	12
LYHS 2335 (430:060)	Principles of Nonprofit Organizations
LYHS 3050 (430:114)	Management of Leisure, Youth and Human Services
LYHS 3337 (430:154)	Human Resource Development for Leisure, Youth and Human Services
LYHS 4055 (430:151)	Financial Resource Management for LYHS Agencies
Leisure Services Internship:	8
LYHS 4095 (430:187)	Internship
Nonprofit Leadership Practicum:	2
LYHS 4339/5339 (430:188g)	Nonprofit Leadership Practicum, Level II
Total Hours	22

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:

Leisure, Youth and Human Services:	12
LYHS 2551 (430:050)	Principles of Outdoor Recreation
LYHS 4552/5552 (430:130g)	Theory and Practice of Experiential Education
LYHS 4553/5553 (430:143g)	Trends and Issues in Outdoor Recreation
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment
Outdoor recreation activity skills classes:	3
PEMES 1xxx (activity skills courses)	
Total Hours	15

School-Age Care Leadership Certificate

This certificate is designed to provide students participating in the Camp Adventure Youth Services program an opportunity to receive credit for their application of youth development principles to school-age children (ages 5-12) in global settings.

Required:

Leisure, Youth and Human Services:	15
LYHS 4265/5265 (430:165g)	Leisure, Youth and Human Services Field Experience

List of Programs by Department

LYHS 4623/5623 (430:141g)	Field Experience in Camp Counseling	
LYHS 4625/5625 (430:144g)	Camp Management Systems	
Electives: selected from the following:		2-3
TEACHING 2017	Level 1 Field Experience: Exploring Teaching	
Educational Psychology and Foundations:		
EDPSYCH 3109	Development and Assessment of Young Children	
EDPSYCH 4116/5116 (200:116g)	Psychology of Adolescence	
EDPSYCH 6235 (200:235)	Theories of Human Development	
School of Applied Human Sciences:		
FAM SERV 1010 (31F:010)	Human Identity and Relationships	
FAM SERV 1020 (31F:020)	Family Relationships	
FAM SERV 1055 (31F:055)	Human Growth and Development	
Total Hours		17-18

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 the Division of Leisure, Youth and Human Services, Tourism Advisor, 203 WRC.

Required:

Leisure, Youth, and Human Services (6 hrs):		6
LYHS 2075 (430:075)	Marketing for Leisure, Youth and Human Service Agencies	
LYHS 2770 (430:070)	Principles of Tourism	
Select three of the following:		
Leisure, Youth and Human Services (9 hrs):		9
LYHS 3774 (430:173)	Conferences, Expositions and Conventions in Tourism	
LYHS 4116/5116 (430:172g)	Festivals and Special Events Management	
LYHS 4554/5554 (430:146g)	Managing Recreation Impacts on the Natural Environment	
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism	
LYHS 4778/5778 (430:171g)	Community Based Tourism	
LYHS 4779/5779 (430:138g)	Community Planning Workshop	
Total Hours		15

* If student has successfully completed MKTG 2110 (130:101) Principles of Marketing, this course can be substituted for LYHS 2075 (430:075) Marketing for Leisure, Youth and Human Service Agencies.

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-Liberal Arts
- History-Teaching

Minor

- History
- Public History

Graduate Major (M.A.)

- History

Program Certificate

- Public History

Bachelor of Arts Degree Programs

History Major-Liberal Arts

The History-Liberal Arts major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Humanities		3
HISTORY MAJORS MUST TAKE HUM 1021, HUM 1022 (680:022), AND HUM 1023, OR THEIR EQUIVALENT. Select one of the following not used to fulfill the 6-hour Liberal Arts Core curriculum requirement in Category 2A: *		
HUM 1021 (680:021)	Humanities I: The Ancient, Classical, and Medieval Worlds (required)	
HUM 1022 (680:022)	Humanities II: The Renaissance, Reformation, and Enlightenment (required)	
HUM 1023 (680:023)	Humanities III: The Age of Revolution to the Present (required)	
History		
HIST 1010 (960:010)	Introduction to the Study of History (this course must be taken immediately after major is declared) **	3
HIST 1011 (960:011)	Field Experience: Public History (this course must be taken immediately after major is declared) **	1
HIST 3000 (960:192)	Junior-Senior Seminar	3
HISUS 1110 (961:014)	United States History to 1877 (this course must be taken by the end of the sophomore year)	3

List of Programs by Department

HISUS 1120 (961:015)	United States History since 1877 (this course must be taken by the end of the sophomore year)	3
Electives in history (must be 100/3000/4000-level)		27
European history (6 hours)		
Must include one course from Category A:		
HISEUA 4310/5310 (962:101g)	History of Ancient Greece	
HISEUA 4320/5320 (962:103g)	History of Ancient Rome	
HISEUA 4330/5330 (962:123g)	Greek and Roman Life and Culture	
HISEUA 4340/5340 (962:152g)	Medieval Civilization	
HISEUA 4350/5350 (962:153g)	The Renaissance and Reformation	
HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment	
HISEUA 4420/5420 (962:126g)	History of Ireland	
HISEUA 4440/5440 (962:164g)	English History to 1688	
HISEUA 4460/5460 (962:171g)	History of Germany to 1648	
HISEUA 4480/5480 (962:151g)	The Ancient Near East	
Must include one course from Category B:		
HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I	
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present	
HISEUB 4610/5610 (963:165g)	English History since 1688	
HISEUB 4620/5620 (963:174g)	History of Modern France	
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648	
HISEUB 4640/5640 (963:153g)	Modern Mediterranean Europe: History and Culture	
HISEUB 4650/5650 (963:188g)	Modern Central and Eastern Europe	
HISEUB 4660/5660 (963:169g)	History of Imperial Russia	
HISEUB 4670/5670 (963:170g)	History of Soviet Russia	
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present	
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present	
HISEUB 4690/5690 (963:161g)	Modern European Women's History	
Non-Western history (6 hours)		
HISNW 4720/5720 (964:180g)	Modern Latin American History	

HISNW 4730/5730 (964:174g)	Pre-Modern African History
HISNW 4740/5740 (964:175g)	Modern African History
HISNW 4820/5820 (964:178g)	Modern Middle East History
HISNW 4830/5830 (964:181g)	Pre-Modern South Asia
HISNW 4840/5840 (964:182g)	Modern South Asia
HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History
HISNW 4860/5860 (964:187g)	Modern Chinese History
HISNW 4870/5870 (964:127g)	Pre-Modern Japan
HISNW 4880/5880 (964:128g)	Modern Japan
United States History (6 hours)	
HISUS 4110/5110 (961:136g)	American Colonial History
HISUS 4130/5130 (961:137g)	The Early Republic, 1785-1850
HISUS 4140/5140 (961:139g)	Civil War and Reconstruction
HISUS 4150/5150 (961:147g)	Foundations of Modern America: The United States, 1877-1929
HISUS 4160/5160 (961:131g)	U.S. History from 1929 to 1960
HISUS 4170/5170	U.S. Environmental History
HISUS 4180/5180 (961:116g)	Recent United States History
HISUS 4190/5190	The American Revolution and Its War
HISUS 4200/5200 (961:130g)	History of Iowa
HISUS 4210/5210 (961:141g)	The South in United States History
HISUS 4220/5220 (961:140g)	History of the American West
HISUS 4230/5230 (961:102g)	History of Technology in America
HISUS 4235/5235 (961:120g)	Popular Culture in the United States
HISUS 4240/5240 (961:144g)	History of American Thought
HISUS 4245/5245 (961:122g)	African-American History
HISUS 4250/5250 (961:145g)	Religion in America
HISUS 4255/5255 (961:124g)	The City in United States History
HISUS 4260/5260 (961:146g)	United States Women's History

List of Programs by Department

HISUS 4265/5265 (961:150g)	Society and Culture in the United States	
HISUS 4270/5270 (961:135g)	American Indian History	
HISUS 4275/5275 (961:142g)	United States Constitutional History	
Additional Electives (9 hours)		
Total Hours		43

* ALL HISTORY MAJORS MUST TAKE HUM 1021, HUM 1022, AND HUM 1023, OR THEIR EQUIVALENT.

** Corequisites

Note: In order to graduate with a major in History-Liberal Arts, 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 Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Social Science

SOCSIED 3190	Introduction to Teaching Social Studies	1
SOCSIED 4190	Methods of Teaching Social Studies	3

Humanities

Select one of the following not used to fulfill the 6-hour Liberal Arts Core curriculum requirement in Category 2A: *

HUM 1021 (680:021)	Humanities I: The Ancient, Classical, and Medieval Worlds (required)	
HUM 1022 (680:022)	Humanities II: The Renaissance, Reformation, and Enlightenment (required)	
HUM 1023 (680:023)	Humanities III: The Age of Revolution to the Present (required)	

History

HIST 1010 (960:010)	Introduction to the Study of History (this course must be taken immediately after major is declared) **	3
HIST 1011 (960:011)	Field Experience: Public History (this course must be taken immediately after major is declared) **	1
HIST 3000 (960:192)	Junior-Senior Seminar	3
HISUS 1110 (961:014)	United States History to 1877 (this course must be taken by the end of the sophomore year)	3

HISUS 1120 (961:015)	United States History since 1877 (this course must be taken by the end of the sophomore year)	3
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Electives in history (must be 100/3000/4000-level)

European history (9 hours)

Must include one course from Category A:

HISEUA 4310/5310 (962:101g)	History of Ancient Greece	
HISEUA 4320/5320 (962:103g)	History of Ancient Rome	
HISEUA 4330/5330 (962:123g)	Greek and Roman Life and Culture	
HISEUA 4340/5340 (962:152g)	Medieval Civilization	
HISEUA 4350/5350 (962:153g)	The Renaissance and Reformation	
HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment	
HISEUA 4420/5420 (962:126g)	History of Ireland	
HISEUA 4440/5440 (962:164g)	English History to 1688	
HISEUA 4460/5460 (962:171g)	History of Germany to 1648	
HISEUA 4480/5480 (962:151g)	The Ancient Near East	

Must include one course from Category B:

HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I	
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present	
HISEUB 4610/5610 (963:165g)	English History since 1688	
HISEUB 4620/5620 (963:174g)	History of Modern France	
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648	
HISEUB 4640/5640 (963:153g)	Modern Mediterranean Europe: History and Culture	
HISEUB 4650/5650 (963:188g)	Modern Central and Eastern Europe	
HISEUB 4660/5660 (963:169g)	History of Imperial Russia	
HISEUB 4670/5670 (963:170g)	History of Soviet Russia	
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present	
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present	
HISEUB 4690/5690 (963:161g)	Modern European Women's History	

Non-Western history (6 hours)

HISNW 4720/5720 (964:180g)	Modern Latin American History	
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HISNW 4730/5730 (964:174g)	Pre-Modern African History
HISNW 4740/5740 (964:175g)	Modern African History
HISNW 4820/5820 (964:178g)	Modern Middle East History
HISNW 4830/5830 (964:181g)	Pre-Modern South Asia
HISNW 4840/5840 (964:182g)	Modern South Asia
HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History
HISNW 4860/5860 (964:187g)	Modern Chinese History
HISNW 4870/5870 (964:127g)	Pre-Modern Japan
HISNW 4880/5880 (964:128g)	Modern Japan
United States history (9 hours)	
Total Hours	44

* All History majors must successfully complete Category 2A of the Liberal Arts Core.

** 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.

Minor

History Minor

Electives in history (12 hours must be 100/3000/4000-level) 18

HISUS 1120 (961:015)	United States History since 1877 *
And one course from the following list are strongly recommended:	
HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present
HISEUB 4610/5610 (963:165g)	English History since 1688
HISEUB 4620/5620 (963:174g)	History of Modern France
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648
HISEUB 4640/5640 (963:153g)	Modern Mediterranean Europe: History and Culture
HISEUB 4650/5650 (963:188g)	Modern Central and Eastern Europe
HISEUB 4660/5660 (963:169g)	History of Imperial Russia
HISEUB 4670/5670 (963:170g)	History of Soviet Russia

HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present
HISEUB 4690/5690 (963:161g)	Modern European Women's History
Total Hours	18

* HISUS 1120 (961:015) and one European history course from Category B are strongly recommended.

Public History Minor

Required:

History:		
HIST 1010 (960:010)	Introduction to the Study of History	3
HIST 4010/5010 (960:106g)	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 (960:132g)	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 www.grad.uni.edu/ 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 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 (thesis option recommended), teaching at the secondary or community college level (non-thesis option recommended), or history-related careers in government, business or private research (public history emphasis recommended). As a general rule, students should have a GPA of 3.20 or better for admission to the program. This major is available on the **thesis** and **non-thesis** options; a **minimum of 30 semester hours** is required for either option. **The thesis option requires a minimum of 18 hours of 200/6000-level course work, including a total of 6 hours of HIST 6299 (960:299) (students choosing the Public History emphasis may complete a Thesis Project in place of a written thesis). The non-thesis option requires a minimum of 15 hours of 200/6000-level course work and the completion of a research paper.** 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;

List of Programs by Department

and, depending on the research emphasis, may be required by the Committee to demonstrate competency in a second language. For the **non-thesis** option, students must pass a written comprehensive examination in the primary field and an oral comprehensive examination in both the primary field and a secondary field.

This program also includes an accelerated version of the two-year M.A. degree program in history listed above. It is available only to UNI undergraduate history majors and allows such students to complete the M.A. degree one year after receiving their B.A. degree. It is a two-phase program, with a preparatory phase and a graduate phase. Upon declaration of an undergraduate major in history, any UNI student may apply to the department for entry into the preparatory phase of the Accelerated M.A. program. The graduate phase of the program begins after the student receives the B.A. degree and is admitted into the graduate program in history.

To be considered for admission into this accelerated program, students must have a UNI cumulative grade point average of 3.50 or above and must apply for entry into the program by the end of their junior year by completing an application for admission to graduate study, which can be found at www.grad.uni.edu/admission.

In order to complete the M.A. in one additional year after the B.A., undergraduate students who are admitted to the preparatory phase of the program will need to enroll in 6 hours of graduate work each semester of their senior year, as provided for in this University Catalog. (See policies and procedures for Graduate Credit as a Senior.) Graduate work completed in this program will be counted as graduate credit on the student's transcript and will not be counted toward the undergraduate degree. No more than 12 credits of graduate credit may be taken before the B.A. is awarded.

Undergraduate students in the preparatory phase may take no more than a combined total (including undergraduate and graduate courses) of 12 hours in a semester or 6 hours in a summer session.

After completion of the preparatory phase of the program, the student will be considered for admission to the graduate portion of the Accelerated M.A. program. Actual admission to graduate study and classification as a graduate student commences the term after the student has completed the B.A. All other degree requirements for the regular history M.A. program also apply to the Accelerated M.A. program.

Thesis Option

Required

History

HIST 6030 (960:280)	Seminar - Topics in U.S. History	3-9
HIST 6050 (960:290)	Historical Methods	3
HIST 6288	Seminar - Topics in World History	3-9
HIST 6289 (960:289)	Seminar in United States Historiography	3
HIST 6299 (960:299)	Research	6
Electives (may take one course, up to 3 hours, outside the field of history)		0-12
Total hours		30

Non-Thesis Option

Required

History

HIST 6030 (960:280)	Seminar - Topics in U.S. History	3-9
HIST 6050 (960:290)	Historical Methods	3
HIST 6288	Seminar - Topics in World History	3-9
HIST 6289 (960:289)	Seminar in United States Historiography	3
History (HIST 6xxx/960:2XX)		0-3
Electives (may take one course, up to 3 hours, outside the field of history)		3-15
Total hours		30

Public History Emphasis

This program is offered in conjunction with the thesis or non-thesis option. A minimum of 30 semester hours is required of which at least 9 hours comprise public history for either option. The thesis option requires a minimum of 18 hours of 200/6000-level course work, including a total of 6 hours of HIST 6299 (960:299). Students may choose to complete a thesis project in place of a traditional thesis. The non-thesis option requires a minimum of 15 hours of 200/6000-level course work and the completion of a research paper. As a prerequisite for admission to this program, students must have a B.A. in history or at least nine credit hours of history. Successful defense of the thesis/thesis project on the thesis option or successful passage of the written and oral comprehensive examinations with public history as a thematic field on the non-thesis option is required.

THESIS/THESIS PROJECT OPTION:

Required:

HIST 5010	Introduction to Public History	3
HIST 6030 (960:280)	Seminar - Topics in U.S. History	3-6
HIST 6050 (960:290)	Historical Methods	3
HIST 6288	Seminar - Topics in World History	3-6
HIST 6289 (960:289)	Seminar in United States Historiography	3
Internship		6
HIST 5030	Internship in Historical Studies	
Research		6
HIST 6299 (960:299)	Research	

Electives (may take one course, up to 3 hours, outside the field of history)		0-3
Total hours		30

NON-THESIS OPTION:

Required:

HIST 5010	Introduction to Public History	3
HIST 6030 (960:280)	Seminar - Topics in U.S. History	3-6
HIST 6050 (960:290)	Historical Methods	3
HIST 6288	Seminar - Topics in World History	3-6

HIST 6289 (960:289)	Seminar in United States Historiography	3
Internship		6
HIST 5030	Internship in Historical Studies	
Electives (may take one course, up to 3 hours, outside the field of history)		3-9
Total hours		30

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 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 (960:106g)	Introduction to Public History	3
Two history or related courses at the 100/3000-level or above		6
Select 6 hours from one or both of the following:		6
HIST 3179 (960:179)	Cooperative Education	
HIST 4030/5030 (960:132g)	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 (also listed under College of Business Administration)

- Tactical Emergency Services with Vulnerable Populations (also listed in Department of Sociology, Anthropology, and Criminology)
- Technology (also listed in Department of Technology)

Undergraduate Majors (B.A.)/Minors

- General Studies Major
- Gerontology Major (also listed in School of Applied Human Sciences)
- Gerontology Minor (also listed in School of Applied Human Sciences)
- Global Studies Major
- Humanities Major
- Individual Studies Major
- 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

Graduate Majors (M.A.)

- Philanthropy and Nonprofit Development
- Women's and Gender Studies

Program Certificates

- International Business, Culture, and Language
- Leadership Foundations
- Conflict Resolution Certificate
- Sustainability
- Graduate Certificate in Women's and Gender Studies

Bachelor of Applied Science Degree Programs

Majors (B.A.S.)

- Criminal Justice (also listed in Department of Sociology, Anthropology and Criminology)
- Managing Business and Organizations (also listed under College of Business Administration)
- Tactical Emergency Services with Vulnerable Populations (also listed in Department of Sociology, Anthropology, and Criminology)
- Technology (also listed in Department of Technology)

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.

List of Programs by Department

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. 23-24 hours of Liberal Arts Core classes, as outlined below (of which 9 hours can be transferred in as LAC 1A, 1B, and 1C);
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.

Liberal Arts Core Requirements for B.A.S. Degree*:

Students must meet the following undergraduate Liberal Arts Core requirements as specified below.

Summary:

1. 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.	
2. Category 2: Civilizations & Cultures (1 course from Category 2A or 2B)	3
3. Category 3: Fine Arts, Literature, Philosophy & Religion (1 course from Category 3A or 3B)	3
4. Category 4: Natural Science & Technology (1 course from Category 4A or 4B)	3
5. Category 5: Social Science (1 course from Category 5A, 5B, or 5C)	3
6. 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 (48C:173)	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 (980:001) Introduction to Sociology or SOC 1060 (980:060) Social Problems or culture/diversity related class approved by BAS Criminal Justice Major Advisor.

CRIM 2022 (982:022) Criminal Justice System

CRIM 2025 (982:025) Criminology

Required:

CRIM 2021	Applied Methods and Data Analysis in Criminal Justice	3
CRIM 2152 (982:152)	Crime and Community	3
CRIM 2220	Communication Ethics for Criminal Justice Professionals	3
CRIM 3151 (982:151)	Crime and Social Inequality	3
CRIM 3319/5319 (982:119g)	Victimology	3
CRIM 4371	Topics in Criminal Justice	3
CRIM 4575 (982:175)	Senior Seminar in Criminology	3
Total Hours		21

Suggested Sequence

Term 1		
CRIM 2152 (982:152)	Crime and Community	3
LAC/Elective		3
Term 2		
CRIM 3151 (982:151)	Crime and Social Inequality	3
LAC/Elective		3
Term 3		
LAC/Elective		3
LAC/Elective		3
Term 4		
CRIM 3319/5319 (982:119g)	Victimology	3
LAC/Elective		3
Term 5		
CRIM 4371	Topics in Criminal Justice	3
LAC/Elective		3
Term 6		
LAC/Elective		3
LAC/Elective		3
Term 7		
CRIM 2021	Applied Methods and Data Analysis in Criminal Justice	3
LAC/Elective		3
Term 8		
LAC/Elective		3
CRIM 2220	Communications Ethics for Criminal Justice Professionals	3
Term 9		

LAC/Elective	3
LAC/Elective	3
Term 10	
CRIM 4575 (982:175)	Senior Seminar in Criminology 3
LAC/Elective	3

Managing Business and Organizations Major

Economics:

ECON 1031 (920:024)	Introduction to Economics (or equivalent - requires departmental approval; will satisfy category 5B of Liberal Arts Core)	0-3
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Business Administration:

BUSINESS 3025	Business Analysis Techniques	3
BUSINESS 3030	Accounting Concepts	3
BUSINESS 3035	Information Systems for Professionals	3
BUSINESS 3050	Work Experience and Management Theory	3
BUSINESS 3060	Law, Society, and Business	3
BUSINESS 3065	Entrepreneurship and Opportunity	3
BUSINESS 3070	Topics: Effective Business Practices	3
BUSINESS 4040	Applied Business Finance	3
BUSINESS 4045	Practical Marketing for Organizations	3
BUSINESS 4055	Talent Management	3
Total Hours		30-33

Suggested Sequence

Term 1		
LAC Category 1A		3
LAC Category 1C		3
Term 2		
LAC Category 5 (ECON 1031 (920:024) is the recommended course to satisfy both the LAC Category 5 and this major requirement)		3
BUSINESS 3025	Business Analysis Techniques	3
Term 3		
LAC Category 1B		3
BUSINESS 3030	Accounting Concepts	3
Term 4		
ENGLISH 3186 Studies in Technical Communication		3
BUSINESS 3035	Information Systems for Professionals	3
Term 5		
LAC Category 3		3
BUSINESS 3050	Work Experience and Management Theory	3
Term 6		
COMM 3155 (48C:173)	Business and Professional Oral Communication	3
BUSINESS 3060	Law, Society, and Business	3

Term 7		
LAC Category 2		3
BUSINESS 3065	Entrepreneurship and Opportunity	3
Term 8		
LAC Category 4		3
BUSINESS 3070	Topics: Effective Business Practices	3
Term 9		
LAC Category 6		2-3
BUSINESS 4040	Applied Business Finance	3
Term 10		
BUSINESS 4045	Practical Marketing for Organizations	3
BUSINESS 4055	Talent Management	3

Tactical Emergency Services with Vulnerable Populations Major

The Bachelor of Applied Sciences degree in Tactical Emergency Services with Vulnerable Populations is an interdisciplinary program offered jointly by the College of Social and Behavioral Sciences, College of Humanities, Arts and Sciences, and College of Education. This program is administered through the College of Social and Behavioral Sciences under the jurisdiction and general supervision of the College Dean, with a designated program director.

The Bachelor of Applied Sciences degree in Tactical Emergency Services with Vulnerable Populations is designed for practitioners of tactical emergency services who are interested in earning a Bachelor of Applied Sciences with specialization in diverse and vulnerable populations in their technical fields. Admission to the major is limited to students with an AAS degree in one or more of the following tactical operator fields: Fire Sciences, Emergency Medical Services, Emergency Management, Law Enforcement, Homeland Security, Military Sciences, and related degrees. Two or more years of professional experience in one of these fields is preferred but **NOT** required.

This major requires 30 credit hours, which includes 19 hours of required core courses; 8 hours of major electives; and 3 credit hours of a final field practicum with a culminating project serving vulnerable populations. As the B.A.S. degree requires the completion of 60 credit hours, students can use the remaining hours to complete any outstanding LAC requirements that did not transfer, and any other university or major electives.

All UNI courses will be provided via distance education and/or online, in order to target place-bound working adults around the state and nation. Students can be full-time or part-time. Part-time students will take at least 2 courses per semester online. The CSBS advisor for this interdisciplinary degree will assist students in proceeding through the degree successfully online through distance learning.

In order to graduate, students must have completed 60 credit hours, as well as a field-based practicum and culminating project and paper with vulnerable populations as part of their required courses, and an exit GPA of at least 2.0. Additional exit requirements also include successful completion of the following certificate trainings which are offered through multiple national organizations such as the Red Cross,

List of Programs by Department

American Heart Association, and the Federal Emergency Management Agency:

First Aid

Blood-borne Pathogens

Hazardous Materials

CPR (Basic)

FEMA Incident Command System Trainings: 100, 200, 300, 400, 700 and 800

Required Major Courses:

Communication Studies:

COMM 3000/5000 (48C:166g)	Selected Topics in Communication	3
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COMM 4344/5344 (48C:151g)	Intercultural Communication	3
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Earth Sciences:

EARTHSCI 1200 (870:021)	Elements of Weather	3
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Health, Physical Education and Leisure Services		4
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HPE 4247/5247 (410:147g)	Minority Health	
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HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions	
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HPE 4438/5438 (410:138g)	International Health	
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Sociology, Anthropology and Criminology:

ANTH 4010/5010	Climate Change, Human Migration and Conflict	3
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Psychology:		3
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PSYCH 2201 (400:060)	Psychology of Gender *	
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PSYCH 2203 (400:160)	Social Psychology *	
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Major Electives:		8
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SOC 3080/5080 (980:120g)	Immigration and Transnationalism **	
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HPE 4665/5665 (410:165g)	Environmental Health Science	
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HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	
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ANTH 1002 (990:011)	Introduction to Cultural Anthropology	
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PSYCH 2302 (400:070)	Psychology and Law	
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PSYCH 3303/5303 (400:154g)	Health Psychology	
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SW 4186 Studies in: Social Work with Persons with Disabilities		
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PSYCH 3304/5304 (400:158g)	Organizational Psychology	
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FAM SERV 1140	Culture and Marriage	
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WGS 1040 (680:040)	Women's and Gender Studies: Introduction	
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HPE 1101 (410:005)	Introduction to Public Health	
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Area Studies courses can also be counted towards electives.

Additional courses may be substituted in as major electives, upon approval of the program director.

Required Field Practicum and Culminating Project for the Major		3
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(Select one of the following courses, taken during the last semester)

HPE 4768 (410:168)	Field Experience in Health Promotion	
HPE 4161/5161 (410:161g)	Global Service Mission	
CRIM 4485 (982:185)	Criminology Internship	
Total Hours		30

* PSYCH 2201 (400:060) and PSYCH 2203 (400:160) have prerequisite of PSYCH 1001 (400:001).

** SOC 3080/5080 (980:120g) has prerequisite of SOC 1000 (980:001) or ANTH 1002 (990:011).

*** SOC 3170 has prerequisite of 2 hours in sociology including SOC 2010 (980:108) or consent of instructor.

Technology Major

Mathematics and Science Core:

CHEM 1020 (860:020)	Chemical Technology (either of these courses will satisfy LAC Category 4B)	4
or PHYSICS 1511 (880:054)	General Physics I	
STAT 1772 (800:072)	Introduction to Statistical Methods (will satisfy LAC Category 1C)	3

BAS Technology Core

TECH 2119	Computer Applications in Technology	3
TECH 3196 (330:196)	Industrial Safety	3
TECH 3131/5131 (330:131g)	Technical Project Management	3
TECH 3102 (330:102)	Living in Our Techno-Social World (will satisfy LAC Category 6)	3

Elective approved by the department (must be 3000-level or above)		3
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BAS Technology Upper Division Courses

TECH 3121/5121 (330:121g)	Applied Technology Systems	3
TECH 3142 (330:142)	Statistical Quality Control	3
or TECH 3180 (330:180)	Lean and Sustainable Operations	
TECH 3143	Managing Operations and Manufacturing Systems	3
TECH 3168/5168 (330:168g)	Technology Training Strategies	3
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	3

Total Hours		37*
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*10 hours may be counted toward LAC and Major

Bachelor of Arts Degree and Minor Programs

General Studies Major

The General Studies major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 100-level courses from each of three of the four colleges for a minimum total hours [^] 45

Total Hours 45

[^] See course descriptions for 4-digit numbers associated with 100-level courses.

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 is encouraged to develop a program of study according to her/his 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 Administration;
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.)

Gerontology Major

The Gerontology major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

It is suggested students take *PSYCH 1001 (400:001)*, *SW 1041 (450:041)*, and *SOC 1000 (980:001)* as their Social Sciences area Liberal Arts Core, 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 School of Applied Human Sciences and under the supervision of the Gerontology Advisory Committee.

Social Sciences Track

Required

Gerontology core: 15

School of Applied Human Sciences

FAM SERV 3150/5150 Families and Aging
(31F:150g)

Psychology: *

PSYCH 1001 (400:001) Introduction to Psychology

PSYCH 3204/5204 Psychology of Aging
(400:173g)

Sociology: *

SOC 1000 (980:001) Introduction to Sociology

SOC 3035/5035 (980:125g) Social Gerontology

Research Methods 3-4

Choose one of the following research methods courses:

School of Applied Human Sciences:

FAM SERV 1030 (31F:030) Research Methods in Family
Science

Leisure, Youth and Human Services:

LYHS 4070/5070 (430:169g) Research and Evaluation in
Leisure, Youth and Human
Services [^]

Psychology:

PSYCH 3002 (400:101) Research Methods

Sociology:

SOC 2010 (980:108) Research Methods

Families and Aging: 3

Choose one of the following Families and Aging courses:

School of Applied Human Sciences:

FAM SERV 2077 (31F:077) Management of Family
Resources

FAM SERV 3161/5161 Families, Alzheimer's and
Related Dementias

FAM SERV 3162/5162 Issues in Family Policy [^]
(31F:162g)

GERO 3161/5161 Families, Alzheimer's and
Related Dementias

or FAM SERV 3161/5161 Families, Alzheimer's and Related
Dementias

Development courses: 3

Choose one of the following Development courses:

School of Applied Human Sciences:

FAM SERV 1055 (31F:055) Human Growth and
Development

Psychology:

PSYCH 2202 (400:120) Developmental Psychology

Ethics courses: 3

Choose one of the following Ethics courses:

GERO 2111 Families and End of Life
Issues

or FAM SERV 2111 Families and End of Life Issues

World Religions/Philosophy:

RELS/PHIL 3510/CAP 3173 Bio-Medical Ethics
(CAP:173)

RELS/PHIL 3110/CAP 3194 Perspectives on Death and
(CAP:194) Dying

Communication Studies

COMM 4236 (48C:128) Ethics in Communication

Gerontology elective courses: 9

Choose three of the following Gerontology courses:

Social Work:

List of Programs by Department

SW 4173/5173 (450:173g)	Social Services for Older Adults [^]
Anthropology:	
ANTH 3102/5102 (990:168g)	Culture, Disease, and Healing [^]
ANTH 3202/5202 (990:152g)	Human Biological Variation [^]
World Religions/Philosophy:	
RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying
Health Promotion and Education:	
HPE 4353/5353 (410:153g)	Public Health Theory
Communication Sciences and Disorders:	
CSD 1000 (51C:006)	Understanding Communication Disorders
School of Applied Human Sciences:	
INTDSGN 3129 (31I:129)	Interior Design Standards
Communication Studies:	
COMM 4116/5116 (48C:138g)	Health Communication
Gerontology:	
GERO 4170/5170 (31G:170g)	Long Term Care Administration [^]
GERO 4184/5184 (31G:184g)	Topics in Gerontology
GERO 4198 (31G:198)	Independent Study in Gerontology
Internship	4
Senior Seminar, Gerontology:	
GERO 4193 (31G:193)	Internship Seminar (1 hr.)
GERO 4195 (31G:195)	Internship in Gerontology (Social Sciences track section - 3 hrs.)
Total Hours	40-41

* Courses may be used to meet requirements in either Gerontology Core or Curriculum Cluster, but not both.

[^] [^] These courses have additional prerequisites as follows:
 LYHS 4070/5070 (430:169g) has a prerequisite of LYHS 3060 (430:110).
 FAM SERV 3162/5162 (31F:162g) has a prerequisite of FAM SERV 1020 (31F:020) with a minimum grade of C in all prerequisite courses.
 SW 4173/5173 (450:173g) has a prerequisite of SW 1041 (450:041).
 ANTH 3102/5102 (990:168g) has a prerequisite of SOC 1000 (980:001) or ANTH 1002 (990:011).
 GERO 4170/5170 (31G:170g) has the following prerequisite: 2 of the following 4 courses -
 FAM SERV 3150/5150 (31F:150g), PSYCH 3204/5204 (400:173g), HPE 4125/5125 (410:125g), SOC 3035/5035 (980:125g).

Long Term Care Track

Required

Business courses	12
Select at least one of the following from business group 1:	
Accounting:	

ACCT 2120 (120:030)	Principles of Financial Accounting
ACCT 2130 (120:031)	Principles of Managerial Accounting
Select at least one of the following from business group 2	
Management:	
MGMT 3100 (150:100)	Legal and Social Environment of Business
MGMT 3101 (150:101)	Business Law
MGMT 3905/5905 (150:105g)	Employment and Labor Law [^]
MGMT 3153 (150:153)	Organizational Management
MGMT 3966/5966 (150:166g)	Staffing and Employee Development [^]
Gerontology core	9
Select three of the following from Gerontology core	
School of Applied Human Sciences:	
FAM SERV 3150/5150 (31F:150g)	Families and Aging [^]
GERO 3161/5161	Families, Alzheimer's and Related Dementias
or FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias
Psychology:	
PSYCH 3204/5204 (400:173g)	Psychology of Aging [^]
Sociology:	
SOC 3035/5035 (980:125g)	Social Gerontology [^]
Required Health Care Administration	5
School of Applied Human Sciences:	
GERO 4170/5170 (31G:170g)	Long Term Care Administration [^]
Health Promotion and Education:	
HPE 2160 (410:060)	Medical Terminology
Health Care Administration electives (minimum 7 hours):	7
GERO 2111	Families and End of Life Issues
or FAM SERV 2111	Families and End of Life Issues
Social Work:	
SW 4173/5173 (450:173g)	Social Services for Older Adults [^]
Health Promotion and Education:	
HPE 1101 (410:005)	Introduction to Public Health
HPE 4164 (410:164g)	Health Care and the Consumer
HPE 4353/5353 (410:153g)	Public Health Theory
Communication Studies:	
COMM 4116/5116 (48C:138g)	Health Communication
Internship ^{^^}	10-12
Students complete the seminar and internship:	
Senior Seminar School of Applied Human Sciences:	
GERO 4193 (31G:193)	Internship Seminar
Internship School of Applied Human Sciences:	

GERO 4195 (31G:195)	Internship in Gerontology (Long Term Care track section)
Total hours 43-45	
^	^ These courses have additional prerequisites as follows: MGMT 3905/5905 (150:105g) has a prerequisite of MGMT 3100 (150:100) or MGMT 3101 (150:101). MGMT 3966/5966 (150:166g) has prerequisites of MGMT 3153 (150:153) and MGMT 3155. FAM SERV 3150/5150 (31F:150g) has prerequisites of FAM SERV 1020 (31F:020); FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); a minimum grade of C in all prerequisite courses. PSYCH 3204/5204 (400:173g) has a prerequisite of PSYCH 1001 (400:001). SOC 3035/5035 (980:125g) has a prerequisite of SOC 1000 (980:001). GERO 4170/5170 (31G:170g) has the following prerequisite: 2 of the following 4 courses - FAM SERV 3150/5150 (31F:150g), PSYCH 3204/5204 (400:173g), HPE 4125/5125 (410:125g), or SOC 3035/5035 (980:125g). SW 4173/5173 (450:173g) has a prerequisite of SW 1041 (450:041).
^^	Students choosing to take the State of Iowa licensing exam may need to complete up to 10 credit hours of internship, for a total of 43 hours for the Long Term Care track.

Note: NHA Iowa requirements - 12 hours health care administration, 6 hours gerontology, 10 hours business plus internship.

Gerontology Minor

Required:

PSYCH 1001 (400:001)	Introduction to Psychology	3
Gerontology core: select two of the following:		6
School of Applied Human Sciences:		
FAM SERV 3150/5150 (31F:150g)	Families and Aging *	
Psychology:		
PSYCH 3204/5204 (400:173g)	Psychology of Aging *	
Health Promotion and Education:		
Sociology:		
SOC 3035/5035 (980:125g)	Social Gerontology *	
Families and Aging core: (select one of the following)		3
FAM SERV 2077 (31F:077)	Management of Family Resources	
FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy *	
GERO 3161/5161	Families, Alzheimer's and Related Dementias	
or FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias	
Development core: (select one of the following)		3
School of Applied Human Sciences:		
FAM SERV 1055 (31F:055)	Human Growth and Development *	

Psychology:	
PSYCH 2202 (400:120)	Developmental Psychology *
Electives in Gerontology: select two of the following:	
Communication Sciences and Disorders:	
CSD 1000 (51C:006)	Understanding Communication Disorders
Communication Studies:	
COMM 4116/5116 (48C:138g)	Health Communication
Health Promotion and Education:	
HPE 4353/5353 (410:153g)	Public Health Theory
School of Applied Human Sciences:	
GERO 2111	Families and End of Life Issues
or FAM SERV 2111	Families and End of Life Issues
GERO 4170/5170 (31G:170g)	Long Term Care Administration *
GERO 4198 (31G:198)	Independent Study in Gerontology
INTDSGN 3129 (31I:129)	Interior Design Standards
Social Work:	
SW 4173/5173 (450:173g)	Social Services for Older Adults *
Anthropology:	
ANTH 3102/5102 (990:168g)	Culture, Disease, and Healing *
ANTH 3202/5202 (990:152g)	Human Biological Variation *
World Religions/Philosophy:	
RELS/PHIL 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics
RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying
Total Hours	

List of Programs by Department

* These courses have additional prerequisites as follows:
FAM SERV 3150/5150 (31F:150g) has prerequisites of FAM SERV 1020 (31F:020); FAM SERV 1055 (31F:055); PSYCH 2202 (400:120); and junior standing. PSYCH 3204/5204 (400:173g) has prerequisites of PSYCH 1001 (400:001); junior standing. PSYCH 1001 (400:001) may be used to satisfy Category 5B of the Liberal Arts Core.
SOC 3035/5035 (980:125g) has prerequisite of *SOC 1000 (980:001)*. *SOC 1000 (980:001)* may be used to satisfy Category 5A of the Liberal Arts Core.
FAM SERV 3162/5162 (31F:162g) has prerequisite of FAM SERV 1020 (31F:020); a minimum grade of C in all prerequisite courses, and junior standing.
FAM SERV 1055 (31F:055) has prerequisite of *PSYCH 1001 (400:001)*. *PSYCH 1001 (400:001)* may be used to satisfy Category 5B of the Liberal Arts Core.
PSYCH 2202 (400:120) has prerequisite of *PSYCH 1001 (400:001)*. *PSYCH 1001 (400:001)* may be used to satisfy Category 5B of the Liberal Arts Core.
GERO 4170/5170 (31G:170g) has the following prerequisite: 2 of the following 4 courses - FAM SERV 3150/5150 (31F:150g), PSYCH 3204/5204 (400:173g), HPE 4125/5125 (410:125g), SOC 3035/5035 (980:125g).
SW 4173/5173 (450:173g) has prerequisite of SW 1041 (450:041). *SW 1041 (450:041)* may be used to satisfy Category 5C of the Liberal Arts Core.
ANTH 3202/5202 (990:152g) has prerequisite of *ANTH 1001 (990:010)* and junior standing. ANTH 1001 (990:010) may be used to satisfy Category 4A of the Liberal Arts Core.
ANTH 3102/5102 (990:168g) has prerequisite of ANTH 1002 (990:011) or SOC 1000 (980:001) and junior standing.

Global Studies Major

The Global Studies major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements, the following specified major requirements, plus electives outside the major.
The major requirements themselves total a minimum of 33 hours (core courses 6 hours, thematic area 12 hours, geographic area 15 hours). Any prerequisites for courses in the thematic and geographic areas of study, as well as any additional required language study will raise the number of major credit hours past 33. Students with no foreign language preparation at the high school or college level may expect to complete up to an additional 20 hours in foreign language study. For many students the foreign language hours will be considerably less. Because of the diversity of study possibilities in the Global Studies major, as well as the diversity of academic preparation students will bring to the major, a maximum range of credit hours to complete the major cannot be provided. See the course listings for the thematic and geographic areas of study (program components II-III), as well as the specific requirements for language proficiency (program component IV) below. Finally, note the two highly recommended components (V-VI) of the Global Studies major--study abroad and the Certificate in Non-Profit Management--as important additional preparation for professional employment.

This is an interdisciplinary program that draws upon courses from all four UNI undergraduate colleges, and is housed in the College of Social and Behavioral Sciences.

Course selection and prerequisites: **The Global Studies major does not limit the double-counting of credit hours from the Liberal Arts Core or any other academic program. However, no double counting of credit hours is allowed between the different thematic and geographic areas, and between the required and elective components within any thematic and geographic area of the Global Studies major.** Students may petition to have relevant experimental or readings courses or seminars count toward their major requirements. Per university regulations for all majors, at least 10 hours of course work must be in courses numbered 100-199/3xxx/4xxx (see course descriptions for 4-digit numbers associated with 100-level/3xxx/4xxx courses). Courses which have prerequisites will be indicated within each thematic/geographic area. See the University Catalog for course descriptions and prerequisites.

Grades, transcripts, and transfer credit: A minimum grade of C is required for all courses applied toward the major. Course HPE 4161/5161 (410:161g) is a credit/no credit course, and the minimum grade of C- to receive credit will be allowed for this course. Transcripts will contain the student's geographic and thematic areas of concentration.

PROGRAM COMPONENTS (I-VI)

I. CORE COURSES (6 hours)

Courses chosen here may not be used to satisfy thematic or geographic area requirements.

Required	3
Select one of the following:	
Anthropology:	
ANTH 1002 (990:011)	Introduction to Cultural Anthropology
Geography:	
GEOG 1120 (970:010) or GEOG 1110 (970:040)	Human Geography World Geography
Required	3
Select one of the following:	
Political Science:	
POL INTL 1024 (943:024) or POL COMP 1040 (944:040)	International Relations Comparative Politics
Total Hours	6

II. THEMATIC AREA (12 hours)

Choose in consultation with a Global Studies faculty advisor.

See below for course list and specific requirements for each area.

Students must focus on one area; however, they may choose to add an additional area(s) to their program, which will be reflected on their transcripts. Within each area, no more than 6 hours may be taken in any one department (the Department of Sociology/Anthropology/Criminology counts as three departments).

THEMATIC AREAS:

- Peace, Conflict, and Human Rights
- International Economics and Development
- Global Resources and Environment
- International Communication and Media
- Global Studies in Gender
- Global Health

Peace, Conflict, and Human Rights

Required 3

Select one of the following:

Political Science:

POL INTL 3120 (943:120)	International Security
or POL INTL 3126 (943:126)	Human Rights

Electives 9

Select three from the following:

Social Work:

SW 3102/SOC 3090 (980:102)/ANTH 3470 (990:102)	Conflict Resolution
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Political Science:

POL INTL 3120 (943:120)	International Security
POL INTL 3126 (943:126)	Human Rights
POL INTL 3143 (943:143)	International Law
POL INTL 3145 (943:145)	International Organizations
POL INTL 4125/5125 (943:125g)	North-South Relations
POL COMP 3121 (944:121)	Terrorism and Insurgency
POL COMP 3123 (944:123)	Nationalism
POL COMP 3125 (944:125)	Politics of Nonviolence

History:

HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
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Total Hours 12

International Economics and Development

Required 3

Select one of the following:

Economics:

ECON 3245/5245 (920:136g)	International Economics *
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Political Science:

POL INTL 4119/5119 (943:119g)	Politics of the Global Economy *
POL INTL 4125/5125 (943:125g)	North-South Relations

Electives 9

Select three from the following:

Social Science:

SOC SCI/SW 1041	Social Welfare: A World View
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Economics:

ECON 3245/5245 (920:136g)	International Economics
ECON 3249/5249 (920:143g)	Economic Development

ECON 3261/5261 (920:175g)	International Financial Economics *
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Political Science:

POL INTL 4119/5119 (943:119g)	Politics of the Global Economy
POL INTL 4125/5125 (943:125g)	North-South Relations

Geography:

GEOG 3110 (970:101)	Economic Geography
GEOG 4110/5110 (970:111g)	Cultural Geography
GEOG 4120/5120 (970:119g)	Demography and Population Geography

Sociology:

SOC 3045/5045 (980:135g)	Social Inequality *
SOC 3080/5080 (980:120g)	Immigration and Transnationalism *

Anthropology:

ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective
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Total Hours 12

* **These courses listed above have additional prerequisites as follows:**

ECON 3245/5245 (920:136g) and ECON 3261/5261 (920:175g) have prerequisites of ECON 1041 (920:053) and ECON 1051 (920:054).

POL INTL 4119/5119 (943:119g) has prerequisite of POL INTL 1024 (943:024), which is a choice in the program core.

SOC 3080/5080 (980:120g) and SOC 3045/5045 (980:135g) have prerequisite of *SOC 1000 (980:001)*, which will satisfy LAC Category 5A.

ANTH 3104/5104 (990:167g) has prerequisite of *PSYCH 1001 (400:001)* or *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*. Course *PSYCH 1001 (400:001)* can satisfy LAC Category 5B, and *SOC 1000 (980:001)* or *ANTH 1002 (990:011)* can satisfy LAC Category 5A.

Global Resources and Environment

Required 6

Select two from the following:

Philosophy:

PHIL/RELS 2550	Environmental Ethics
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Biology:

BIOL 4167/5167 (840:167g)	Conservation Biology *
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Geography:

GEOG 3220 (970:100)	Environmental Geography
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Electives 6

Select two from the following:

Philosophy:

PHIL/RELS 2550	Environmental Ethics
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Environmental Science:

ENV SCI 4665/5665 (830:165g)	Environmental Health Science
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Biology:

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BIOL 2051 (840:051)	General Biology: Organismal Diversity
BIOL 4167/5167 (840:167g)	Conservation Biology *
BIOL 4168/5168 (840:168g)	Ecology *
Earth Science:	
EARTHSCI 1300 (870:031)	Introduction to Geology
EARTHSCI 1320 (870:035)	Earth History *
Economics:	
ECON 3225/5225 (920:123g)	Environmental Economics *
Geography:	
GEOG 1210 (970:026)	Physical Geography
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3110 (970:101)	Economic Geography
GEOG 3220 (970:100)	Environmental Geography
GEOG 4120/5120 (970:119g)	Demography and Population Geography
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4230/5230 (970:129g)	Rivers
Total Hours	12

* **These courses listed above have additional prerequisites as follows:**
 BIOL 4167/5167 (840:167g) and BIOL 4168/5168 (840:168g) have prerequisites of BIOL 3100 (840:100) and BIOL 3140 (840:140). Courses BIOL 3100 (840:100) and BIOL 3140 (840:140) also have prerequisites of: BIOL 2051 (840:051); *BIOL 2052 (840:052)*; *CHEM 1110 (860:044)* and CHEM 1120 (860:048), or *CHEM 1130 (860:070)*.
 EARTHSCI 1320 (870:035) has prerequisite of *EARTHSCI 1300 (870:031)*, which will satisfy LAC Category 5B.
 ECON 3225/5225 (920:123g) has prerequisites of ECON 1041 (920:053) and ECON 1051 (920:054).
 GEOG 3220 (970:100) has prerequisite of GEOG 1120 (970:010) or *GEOG 1210 (970:026)* or GEOG 2210 (970:028) or GEOG 1110 (970:040).

International Communication and Media

Required	6
Select two from the following:	
Communication Studies:	
COMM 4344/5344 (48C:151g)	Intercultural Communication
Anthropology:	
ANTH 3001 (990:177) or SOC 3001 (980:177)	Language and Culture
Communication Studies:	
COMM DM 4644/5644 or COMM PR 4822/5822 (48P:170g)	Global Mass Communication Systems Global Public Relations
Electives	6
Select two from the following:	
Communication Studies:	

COMM 4344/5344 (48C:151g)	Intercultural Communication
COMM 4346/5346 (48C:153g)	Gender Issues in Communication
COMM DM 4644/5644	Global Mass Communication Systems
COMM PR 4822/5822 (48P:170g)	Global Public Relations
Sociology:	
SOC 3060/5060 (980:138g)	Sociology of Culture *
Anthropology:	
ANTH 3001 (990:177)	Language and Culture *
Total Hours	12

* **These courses listed above have additional prerequisites as follows:**
 COMM DM 4644/5644 has prerequisite of COMM COR 1010 (48J:002).
 SOC 3060/5060 (980:138g) has prerequisite of *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*, either of which will satisfy LAC Category 5A.
 ANTH 3001 (990:177) has prerequisite of *PSYCH 1001 (400:001)* or *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*. Course *PSYCH 1001 (400:001)* can satisfy LAC Category 5B, and *SOC 1000 (980:001)* or *ANTH 1002 (990:011)* can satisfy LAC Category 5A.

Global Studies in Gender

Required	3
Select one of the following:	
Humanities:	
WGS 1040 (680:040)	Women's and Gender Studies: Introduction
Anthropology:	
ANTH 3104/PSYCH 4608/5608 (400:167g)/SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective
Electives	9
Select three from the following:	
Health Promotion:	
HPE 4161/5161 (410:161g)	Global Service Mission **
HPE 4162/5162 (410:162g)	Introduction to Women's Health
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions
HPE 4247/5247 (410:147g)	Minority Health
HPE 4438/5438 (410:138g)	International Health
Communication Studies:	
COMM 4344/5344 (48C:151g)	Intercultural Communication
COMM 4346/5346 (48C:153g)	Gender Issues in Communication
World Religions:	
RELS 1020 (640:024)	Religions of the World (Family Life Emphasis only)

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Humanities:

WGS 1040 (680:040)	Women's and Gender Studies: Introduction
WGS 6289 (680:289)	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories

Political Science:

POL INTL 3126 (943:126)	Human Rights
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History:

HISEUB 4690/5690 (963:161g)	Modern European Women's History
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Sociology:

SOC 3080/5080 (980:120g)	Immigration and Transnationalism *
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences *

Anthropology:

ANTH 3104/ PSYCH 4608/5608 (400:167g)/SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective
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Total Hours 12

* **These courses listed above have additional prerequisites as follows:**

SOC 3080/5080 (980:120g) has prerequisite of *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*, either of which can satisfy LAC Category 5A.

SOC 4071/5071 (980:171g) has prerequisite of *SOC SCI 1020 (900:020)* or *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*. Course *SOC SCI 1020 (900:020)* can satisfy LAC Category 5C, and course *SOC 1000 (980:001)* or *ANTH 1002 (990:011)* can satisfy LAC Category 5A.

ANTH 3104/5104 (990:167g) has prerequisite of *PSYCH 1001 (400:001)* or *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*. Course *PSYCH 1001 (400:001)* can satisfy LAC Category 5B, and *SOC 1000 (980:001)* or *ANTH 1002 (990:011)* can satisfy LAC Category 5A.

** Courses HPE 4161/5161 (410:161g) may be taken credit/no credit only. This course will only be applied to the major if a grade of "credit" is achieved.

Global Health

Required 5

Health Promotion:

HPE 4438/5438 (410:138g)	International Health
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Sociology:

SOC/ANTH 3102	Culture, Disease, and Healing *
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Electives 7

Health Promotion:

HPE 4161/5161 (410:161g)	Global Service Mission * **
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions
HPE 4247/5247 (410:147g)	Minority Health

Social Work:

SW/SOC SCI 1041	Social Welfare: A World View
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Environmental Science:

ENV SCI/HPE 4665	Environmental Health Science
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Total Hours 12

* **These courses listed above have additional prerequisites as follows:**

HPE 4161/5161 (410:161g) has prerequisite of

HPE 4167/5167 (410:167g).

SOC 3102/5102 (980:168g) has prerequisite of *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*. Course *SOC 1000 (980:001)* or *ANTH 1002 (990:011)* can satisfy LAC Category 5A.

** Courses HPE 4161/5161 (410:161g) may be taken credit/no credit only. This course will only be applied to the major if a grade of credit is achieved.

III. GEOGRAPHIC AREA (15 hours)

Choose in consultation with a Global Studies faculty advisor.

See below for course list and specific requirements for each area.

Students must focus on one area; however, they may choose to add an additional area(s) to their program which will be reflected on their transcripts. Unless otherwise noted, within each area no more than 9 hours may be taken in any one department.

GEOGRAPHIC AREAS:

- Africa/Middle East
- Asia
- Latin America
- Russia/Eastern Europe
- Western Europe

Africa/Middle East

Required 6

Humanities:

HUM 3127 (680:127)	Middle East
HUM 3128 (680:128)	Africa

Electives 9

Select three from the following:

World Religions:

RELS 2120	Great Living Religions: Judaism and Islam
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Political Science:

POL COMP 3121 (944:121)	Terrorism and Insurgency
POL COMP 3165 (944:165)	African Politics

History:

HISEUA 4480/5480 (962:151g)	The Ancient Near East
HISNW 4740/5740 (964:175g)	Modern African History

Geography:

List of Programs by Department

GEOG 4150/5150 (970:141g) Regional Geography: (Variable Topic)	
Total Hours	15

Asia

Students are strongly encouraged to concentrate on one, but no more than two, major countries of the region--China, India, Japan--unless they go beyond the 15 credit hour requirement for the region.

Required	3-6
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At least 3 hours, but no more than 6, from:

Humanities:

HUM 3122 (680:122)	Japan
HUM 3124 (680:124)	China
HUM 3125 (680:125)	India

Electives (see restrictions) *	9-12
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Select three to four of the following:

World Religions:

RELS 2100	Great Living Religions: Hinduism and Buddhism
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen

Humanities:

HUM 3122 (680:122)	Japan
HUM 3124 (680:124)	China
HUM 3125 (680:125)	India

Political Science:

POL COMP 3162 (944:162)	Politics of East Asia
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History:

HISNW 4830/5830 (964:181g)	Pre-Modern South Asia
HISNW 4840/5840 (964:182g)	Modern South Asia
HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History
HISNW 4860/5860 (964:187g)	Modern Chinese History
HISNW 4870/5870 (964:127g)	Pre-Modern Japan
HISNW 4880/5880 (964:128g)	Modern Japan

Total hours 15

- * **Restrictions on Asia area courses:**
1. For courses HUM xxxx (680:xxx), no more than 3 hours if only 3 hours is completed in the "Required" field;
 2. For courses HISNW xxxx (964:xxx), no more than 6 hours on the pre-modern period (to approx. 1700).

Latin America

Required	3
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Political Science:

POL COMP 3167 (944:167)	Latin American Politics
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Required (see restriction) **	3
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Select one of the following:

Humanities:

HUM 3123 (680:123)	Latin America **
HUM 3137 (680:137)	Native Central and South America

Languages and Literatures:

SPAN 3020 (780:120)	Latin American Culture and Civilization **
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Electives (see restriction) **	9
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Select three from the following:

Humanities:

HUM 3123 (680:123)	Latin America **
HUM 3137 (680:137)	Native Central and South America

Languages and Literatures (Spanish):

SPAN 3012 (780:112)	Survey of Spanish American Literature *
SPAN 3020 (780:120)	Latin American Culture and Civilization **
SPAN 3031 (780:131)	Topics in Spanish American Literature and Culture: *
SPAN 4062/5062 (780:162g)	Spanish American Literature: _____ *

History:

HISNW 4720/5720 (964:180g)	Modern Latin American History
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Anthropology:

ANTH 3302 (990:142)	Archaeology of the New World *
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Total Hours	15
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* **These courses listed above have additional prerequisites as follows:**

SPAN 3012 (780:112) has prerequisite of SPAN 3004 (780:104) or equivalent.

SPAN 3020 (780:120) has prerequisite of SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent.

SPAN 3031 (780:131) has prerequisite of SPAN 3012 (780:112).

SPAN 4062/5062 (780:162g) has prerequisite of SPAN 3018 (780:118).

ANTH 3302 (990:142) has prerequisite of ANTH 1001 (990:010).

** **Restriction on Latin America area courses:**

Only one of *HUM 3123 (680:123)* and SPAN 3020 (780:120) will count toward program credit.

Russia/Eastern Europe

Required (no electives in this area of study)	15
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Humanities:

HUM 3121 (680:121)	Russia/Soviet Union
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History:

HISEUB 4650/5650 (963:188g)	Modern Central and Eastern Europe
HISEUB 4660/5660 (963:169g)	History of Imperial Russia

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HISEUB 4670/5670 (963:170g)	History of Soviet Russia
Political Science:	
POL COMP 3164 (944:164)	Russian and Eurasian Politics
Total Hours	15

Western Europe

Because of the broad offerings in this area, students are strongly encouraged to plan an integrated program of study with their advisor.

Required	6
Humanities:	
HUM 1023 (680:023)	Humanities III: The Age of Revolution to the Present (required)

Political Science:	
POL COMP 3135 (944:135)	Politics in Europe

Electives (see restrictions)**	9
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Select three from the following:

Languages and Literatures (French):	
FREN 3004 (720:104)	Introduction to French Literature *
FREN 4014/5014 (720:114g)	The World of French Business *
FREN 4022/5022 (720:122g)	Special Topics in French Literature *

Languages and Literatures (Spanish):	
SPAN 3018 (780:118)	Survey of Spanish Literature *
SPAN 3023 (780:123)	Culture and Civilization of Spain *
SPAN 3035 (780:135)	Topics in Literature and Culture of Spain: *
SPAN 4063/5063 (780:163g)	Peninsular Literature: *

History:	
HISEUA 4310/5310 (962:101g)	History of Ancient Greece
HISEUA 4320/5320 (962:103g)	History of Ancient Rome
HISEUA 4330/5330 (962:123g)	Greek and Roman Life and Culture
HISEUA 4340/5340 (962:152g)	Medieval Civilization
HISEUA 4350/5350 (962:153g)	The Renaissance and Reformation
HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment
HISEUA 4420/5420 (962:126g)	History of Ireland
HISEUA 4440/5440 (962:164g)	English History to 1688
HISEUA 4460/5460 (962:171g)	History of Germany to 1648
HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I

HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present
HISEUB 4610/5610 (963:165g)	English History since 1688
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648
HISEUB 4620/5620 (963:174g)	History of Modern France
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present
HISEUB 4690/5690 (963:161g)	Modern European Women's History
Sociology:	
SOC 3080/5080 (980:120g)	Immigration and Transnationalism *
Total Hours	15

* **These courses listed above have additional prerequisites as follows:**

FREN 3004 (720:104) and FREN 4014/5014 (720:114g) have prerequisite of FREN 3001/5001 (720:101g).

FREN 4022/5022 (720:122g) has prerequisites of FREN 3001/5001 (720:101g) and FREN 3004 (720:104). SPAN 3018 (780:118) has prerequisite of SPAN 3004 (780:104).

SPAN 3023 (780:123) has prerequisite of SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent.

SPAN 3035 (780:135) and SPAN 4063/5063 (780:163g) have prerequisite of SPAN 3012 (780:112) or SPAN 3018 (780:118).

SOC 3080/5080 (980:120g) has prerequisite of *SOC 1000 (980:001)*. Course *SOC 1000 (980:001)* will satisfy LAC Category 5A.

** Restrictions on Western Europe courses:

1. No more than 3 hours in courses covering the pre-1700 period;
2. No more than 6 hours in courses numbering FREN xxxx (720:xxx) and SPAN xxxx (780:xxx) or their combination.

IV. FOREIGN LANGUAGE

Students must be able to demonstrate competence in a foreign language at the intermediate (second year) level; however, foreign language study past the two year requirement is strongly 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.

The language chosen to satisfy the foreign language requirement should be used extensively in the student's geographic area of focus. However, a foreign language not typically associated with the

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geographic area of focus may be used to satisfy the foreign language requirement as well. Students are strongly encouraged to pursue area-specific language study through available foreign language courses on the UNI campus (French, Spanish, and Chinese, though Chinese currently is offered only at the third semester level), and through on-line courses, summer study, or study abroad. See a Global Studies advisor for guidance on completing the foreign language requirement.

V. STRONGLY RECOMMENDED: Study Abroad

Study abroad may be used to satisfy program requirements for language, or thematic or geographic area study. If possible, students should complete the core requirements for the Global Studies major prior to participating in a study abroad experience.

VI. STRONGLY RECOMMENDED: Certificate in Nonprofit Management

Some students completing the Global Studies major will eventually seek employment in the non-profit sector. 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 enables students to earn a national Certificate in Nonprofit Management from Nonprofit Leadership Alliance. See the University Catalog (Department of Health, Recreation and Community Services) for certificate requirements.

Humanities Major

The Humanities major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

This is an interdisciplinary major offered by the College of Humanities, Arts and Sciences, and is under the jurisdiction of the dean of that college.

Required

Humanities:		
HUM 1021 (680:021)	Humanities I: The Ancient, Classical, and Medieval Worlds (required)	3
HUM 1022 (680:022)	Humanities II: The Renaissance, Reformation, and Enlightenment (required)	3
HUM 1023 (680:023)	Humanities III: The Age of Revolution to the Present (required)	3
HUM prefix 4000-level Junior-Senior Seminar		3
Interdisciplinary courses in, or including, the humanities *		9
Courses in history, from any department		6
Critical and analytical course		3
Participatory course in creative or performing arts		3
Electives in any of the above or other humanities areas		9
Total Hours		42

* These courses may include seminars in the interpretation of texts, in philosophy of history, in aesthetics, in a theme or period, in a topic relating the humanities to the natural or social sciences, or other appropriate courses as available.

The student, with the consent of the Humanities Advisor, will outline a cohesive program of cross-disciplinary study around a chronological period, theme, culture, or other focus of the student's choice.

All reasonable variations on this program should be approved.

Individual Studies Major

The Individual Studies major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 40 hours)	40
Undergraduate thesis	6
Total Hours	46

(Plus 29 hours of university electives or other major or minor credit.)

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 her/his 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 most cases, an undergraduate thesis will be required of this major.

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.

International Business Minor

The interdepartmental minor in International Business is available to College of Business Administration 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 (970:040) World Geography

Political Science:

POL INTL 1024 (943:024) International Relations

International Business core: 12

Marketing:

MKTG 3163 (130:161) Distribution and Logistics

or MKTG 3176/5176
(130:177g) Global Marketing

Management:

MGMT 3189 (150:189) International Management

Financial:

FIN 3032/5032 (160:158g) International Financial
Management

or ECON 3261/5261
(920:175g) International Financial Economics

Economics:

ECON 3245/5245 (920:136g) International Economics
or ECON 3249/5249 Economic Development
(920:143g)

International Experience: 0

BUSINESS 3169 (100:169) 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 (150:161) Supply Chain and Purchasing

Political Science:

POL INTL 4119/5119 Politics of the Global
(943:119g) Economy

POL INTL 3143 (943:143) International Law

POL INTL 3145 (943:145) International Organizations

Sociology:

SOC/ANTH 3001 Language and Culture

SOC 3411/5411 (980:167g) 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 (100:169) 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 (970:040) World Geography

Political Science:

POL INTL 1024 (943:024) International Relations

Business Core 15

Accounting:

ACCT 2120 (120:030) Principles of Financial
Accounting

Marketing:

MKTG 2110 (130:101) Principles of Marketing

Management:

MGMT 3100 (150:100) Legal and Social Environment
of Business

MGMT 3153 (150:153) Organizational Management

Economics:

ECON 1031 (920:024) Introduction to Economics

International Business core 8-9

Management:

MGMT 3189 (150:189) International Management

International electives:

Select two from the following:

Business, Interdepartmental:

BUSINESS/CAP 3155 Socio-Economic Reality of
Central America *

List of Programs by Department

Marketing:	
MKTG 3163 (130:161)	Distribution and Logistics
MKTG 3176/5176 (130:177g)	Global Marketing
International Internship	
International Experience	0
BUSINESS 3169 (100:169)	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 (100:169) 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:	
HISEUB 4650/5650 (963:188g)	Modern Central and Eastern Europe
HISEUB 4660/5660 (963:169g)	History of Imperial Russia
HISEUB 4670/5670 (963:170g)	History of Soviet Russia
Select two of the following:	6
Humanities/Languages (required):	
HUM 3121 (680:121)	Russia/Soviet Union
Political Science:	
POL COMP 3123 (944:123) or POL COMP 3164 (944:164)	Nationalism Russian and Eurasian 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 women's and men's experiences. 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 program is offered under the jurisdiction and general supervision of the Deans of the Colleges of Social and Behavioral Sciences and Humanities, Arts, and Sciences. For more information, contact the Women's and Gender Studies office, Sabin 225, 319-273-7102, or www.uni.edu/womenstudies.

Required	6
Humanities:	
WGS 1040 (680:040)	Women's and Gender Studies: Introduction
Choose one of the following:	
WGS 2040	Introduction to LGBTQ Studies
FAM SERV 1057 (31F:057)	Human Relationships and Sexuality
Electives:	12
Anthropology:	
ANTH 3104/ PSYCH 4608/5608 (400:167g)/SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective *

List of Programs by Department

Communication Studies:		
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	
Criminology:		
CRIM 4331/5331 (982:131g)	Women, Crime and Society *	
Educational Psychology:		
EDPSYCH 4140/5140 (200:140g)	Social Psychology in Educational Contexts	
Languages and Literature:		
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature *	
ENGLISH 4420/5420 (620:121g)	The American Renaissance *	
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI *	
Family Services:		
FAM SERV 1057 (31F:057)	Human Relationships and Sexuality	
FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships	
Health Promotion and Education:		
HPE 4162/5162 (410:162g)	Introduction to Women's Health	
HPE 4328/5328 (410:128g)	Selected Topics in Women's Health	
History:		
HISUS 4260/5260 (961:146g)	United States Women's History	
HISEUB 4690/5690 (963:161g)	Modern European Women's History	
Humanities:		
HUM 3160/5160 (680:160g)	Black Women in America: Challenge, Spirit, Survival	
Philosophy:		
SOC/CAP 3151	Money, Sex and Power: Theories of Race, Class and Gender	3
Psychology:		
PSYCH 2201 (400:060)	Psychology of Gender *	
PSYCH 4608/ ANTH 3104/5104 (990:167g)/SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective *	
World Religions:		
RELS 1020 (640:024)	Religions of the World (Family Life emphasis only) **	
RELS 3150	Women and Christianity	
Social Sciences:		
SOC SCI 1020 (900:020)	Women, Men, and Society	
Sociology:		
SOC 2040 (980:156g)	Social Movements *	
SOC 3045/5045 (980:135g)	Social Inequality *	
SOC 3050/5050 (980:129g)	Men and Masculinities	

SOC 3411/ANTH 3104/5104 (990:167g)/ PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective *
SOC 4050 (980:101)	Sociology of Gender *
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences *
Textiles and Design:	
TEXDSGN 4015/5015 (31T:114g)	Dress and Human Behavior
Women's and Gender Studies:	
WGS 2040	Introduction to LGBTQ Studies
WGS 3195/5195 (900:195g)	Internship in Women's and Gender Studies *
Total Hours	21

Notes:

No more than 9 hours from courses with the same prefix.

No more than 6 hours may be double-counted with the student's major.

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 (48C:113g) or SOC 2040 (980:156g)

* 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

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

List of Programs by Department

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 www.grad.uni.edu/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. A **minimum of 30 semester hours** of graduate course work is required. A **minimum of 21 hours of 200/6000-level course work, including 3 hours of LYHS 6299 (430:299) is required**. Of these 30 hours, 26 semester hours are prescribed below. The remaining 4 hours require research project/readings work, arranged through the program director.

Required

Management:

MGMT 6260 (150:262)	Strategic Management of Human Resources	3
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MGMT 6286 (150:286) "Studies In", 1 hour		1
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Psychology:

PSYCH 6005 (400:254)	Psychology, Law and Philanthropy	2
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Leisure, Youth and Human Services:

LYHS 6203 (430:248)	Philanthropy and Nonprofit Development: An Overview	3
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LYHS 6410 (430:220)	Evaluation, Research and Accountability	3
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LYHS 6420 (430:249)	Trends and Issues in Philanthropy/Nonprofit Development	3
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LYHS 6408 (430:251)	Financial Decision Making for Youth/Human Service Agencies	3
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Communication Studies:

COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods	3
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Languages and Literatures:

ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants	3
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Public Policy:

PUBPOL 6220 (950:220)	Public Policy, Advocacy and Public Funding	2
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Leisure, Youth and Human Services:

LYHS 6285 (430:285)	Readings	1
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LYHS 6299 (430:299)	Research	3
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Total Hours		30
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Major in Women's and Gender 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 Director of Women's and Gender Studies for any other application requirements.

Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

Admission to the program is competitive. Detailed information on admission requirements and procedures may be obtained from the Women's and Gender Studies office.

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 defines relationships among women, among men, and between men and women; 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; the non-thesis applied track requires a **minimum of 32 hours; 15 hours of 6000-level course work, including 6 hours of WGS 6299** is required for the thesis option; **12 hours of 6000-level course work is required** for the applied option. 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 a written comprehensive examination is required for both tracks. The Applied Track also requires a culminating project supervised by 2 WGS faculty members. 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.

Common core (13 hours – required for all students):

Required (4 Hours) 4

WGS 6289 (680:289) 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 (620:206) Feminist Literary Theories and Practice

SOC 4071/5071 (980:171g) Feminist Theories in the Social Sciences

COMM 4346/5346 (48C:153g) Gender Issues in Communication

History (3 Hours) 3

HISUS 4260/5260 (961:146g) United States Women's History

or HISEUB 4690/5690 (963:161g) 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 (48C:236) Communication Research Methodology

ENGLISH 4120/5120 (620:128g) Images of Women in Literature

ENGLISH 4140/5140 (620:161g) Literary Criticism

ENGLISH 6100 (620:201) Introduction to Graduate Study in English

HIST 6050 (960:290) Historical Methods

PSYCH 6002 (400:241) Research Design

SOC 4015/5015 (980:178g) Qualitative Research
or ANTH 4015/5015 (990:178g) Qualitative Research

KAHHS 6210 Quantitative Methods in KAHHS

KAHHS 6215 Qualitative Methods

LYHS 6410 (430:220) 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

LYHS 6406 (430:253) 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

HPE 4162/5162 (410:162g) Introduction to Women's Health
or HPE 4328/5328 (410:128g) Selected Topics in Women's Health

Electives (choose 9 hours from the following): 9

HPE 4162/5162 (410:162g) Introduction to Women's Health

HPE 4328/5328 (410:128g) Selected Topics in Women's Health

HPE 4161/5161 (410:161g) Global Service Mission

HPE 4167/5167 (410:167g) Cultural Competency for the Helping Professions

HPE 4247/5247 (410:147g) Minority Health

HPE 4353/5353 (410:153g) Public Health Theory

HPE 4373/5373 Planning and Evaluating Health Promotion Programs

HPE 4383/5383 Health Promotion Implementation and Advocacy

HPE 4438/5438 (410:138g) International Health

2) Gender and Violence Prevention

Choose 12 hours from the following: 12

FAM SERV 3145/5145 (31F:145g) Violence in Intimate Relationships

COMM 4447/5447 (48C:108g) Performance and Social Change

COMM 4346/5346 (48C:153g) Gender Issues in Communication

SOC 3050/5050 (980:129g) Men and Masculinities

CRIM 3319/5319 (982:119g) Victimology

CRIM 4331/5331 (982:131g) 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, 319-273-7102, 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.

Sustainability Certificate

Certificate Overview:

The current generation of students faces an overwhelming number of interrelated environmental, social, and economic issues that previous generations have been unable or unwilling to address. If a sustainable society is to be achieved that is both harmonious with the natural environment and protective of human technological and economic potential, new interdisciplinary knowledge must be both imparted to future leaders and then implemented and refined by them in their professional practice. With that goal in mind, integrative, creative course offerings are essential components of this interdisciplinary certification offering, designed to prepare leaders capable of the creative action needed to build a sustainable and just society. This certification provides undergraduate and graduate students with interdisciplinary course offerings encompassing the major content areas of sustainability science which allows each student to tailor their program to unique interests and needs.

The certificate framework consists of a progression of classes (15 total hours) with one required course (3 hours), remaining courses are chosen by the student as electives. 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 one or more 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.

Required Course	3
TECH 1015 Introduction to Sustainability	3
Content Area Electives	12
Natural and Biological Environments	
BIOL 4167/5167 (840:167g) Conservation Biology	3
EARTHSCI 1300 (870:031) Introduction to Geology	4
GEOG 2210 (970:028) Recent Climate Change	3
GEOG 3310 (970:164) Geographic Information Systems I	3

GEOG 4310/5310 (970:170g) GIS Applications: (Variable Topic)	3
HPE 3689 (410:189) Seminar in Health Promotion	3
HPE 4665/5665 (410:165g) Environmental Health Science	3
Mathematical and Economic Dimensions of Sustainability	
STAT 3771/5771 (800:121g) Applied Statistical Methods for Research	3
Urban Environments and Technology	
CAP 3140 (CAP:140) Environment, Technology, and Society	2
GEOG 4190/5190 (970:117g) Transportation Planning and Policy	3
GEOG 4250/5250 (970:185g) Laboratory Methods in Environmental Geography	3
INTDSGN 1001 (311:065) Introduction to Interior Design	2
PHYSICS 4300/5300 (880:152g) Introduction to Electronics	4
TECH 3102 (330:102) Living in Our Techno-Social World	3
or CAP 3102 (CAP:102) Living in Our Techno-Social World	
TECH 3180 (330:180) Lean and Sustainable Operations	3
Sustainable Tourism and Outdoor Recreation	
LYHS 4554/5554 (430:146g) Managing Recreation Impacts on the Natural Environment	3
Teacher Education in Sustainability and Environmental Literacy	
ELEMECML 4142/5142 Sustainability Applications in Elementary STEM	3
LYHS 4552/5552 (430:130g) Theory and Practice of Experiential Education	3
Social, Philosophical, and Political Dimensions of Sustainability	
CAP 3194 (CAP:194) Perspectives on Death and Dying	3
HISUS 4170/5170 U.S. Environmental History	3
HPE 4666/5666 (410:166g) Environmental and Occupational Health Regulations	3
PHIL/RELS 2550 Environmental Ethics	3
PHIL/RELS 3510/CAP 3173 (CAP:173) Bio-Medical Ethics	3
Total Certificate Hours	15
Note: electives must be selected in consultation with an advisor.	

Graduate Certificate in Women's and Gender Studies

The Graduate Certificate in Women's and Gender Studies is offered by the College of Humanities, Arts and Sciences and 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 who are seeking a graduate degree in any discipline. 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 200/6000-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, 319-273-7102, or www.uni.edu/womenstudies.

Required

Select one of the following: 3

Languages and Literatures:

ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice
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Humanities:

WGS 6289 (680:289)	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories
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Sociology:

SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences
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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 (200:188g)	Current Approaches to Multicultural Education
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Design, Textiles, Gerontology, & Family Studies:

FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships
TEXDSGN 4015/5015 (31T:114g)	Dress and Human Behavior

Health Promotion:

HPE 4328/5328 (410:128g)	Selected Topics in Women's Health
HPE 4162/5162 (410:162g)	Introduction to Women's Health

Political Science:

POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law
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History:

HISUS 4260/5260 (961:146g)	United States Women's History
HISEUB 4690/5690 (963:161g)	Modern European Women's History

Sociology/Criminology:

SOC 3045/5045 (980:135g)	Social Inequality
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences

CRIM 4331/5331 (982:131g) Women, Crime and Society

Category B: Humanities

Communication Studies:

COMM 4447/5447 (48C:108g)	Performance and Social Change
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric
COMM 4346/5346 (48C:153g)	Gender Issues in Communication

Languages and Literatures:

ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice

World Religions:

RELS 3150	Women and Christianity
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Humanities:

HUM 3160/5160 (680:160g)	Black Women in America: Challenge, Spirit, Survival
WGS 6289 (680:289)	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories

Category C: Experimental

Social Science:

WGS 3195/5195 (900:195g)	Internship in Women's and Gender Studies
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Practicum that has a gender focus and is advised by a WGS faculty member.

Total Hours 12

College of Business Administration

The College of Business offers the following under the supervision and jurisdiction of the college. The programs include:

Undergraduate Major (B.A.S.)

- Managing Business and Organizations

Graduate Major

- Master of Business Administration

Program Certificate

- Business Administration
- International Business, Culture, and Language (also listed in Department of Languages and Literatures)

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.

List of Programs by Department

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. 23-24 hours of Liberal Arts Core classes, as outlined below (of which 9 hours can be transferred in as LAC 1A, 1B, and 1C);
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.

Liberal Arts Core Requirements for B.A.S. Degree*:

Students must meet the following undergraduate Liberal Arts Core requirements as specified below.

Summary:

1. 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.	
2. Category 2: Civilizations & Cultures (1 course from Category 2A or 2B)	3
3. Category 3: Fine Arts, Literature, Philosophy & Religion (1 course from Category 3A or 3B)	3
4. Category 4: Natural Science & Technology (1 course from Category 4A or 4B)	3
5. Category 5: Social Science (1 course from Category 5A, 5B, or 5C)	3
6. 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 (48C:173)	Business and Professional Oral Communication	3
ENGLISH 3770	Technical Writing in Applied Sciences	3
Total Hours		6

Managing Business and Organizations

Economics:

ECON 1031 (920:024)	Introduction to Economics (or equivalent - requires departmental approval; will satisfy category 5B of Liberal Arts Core)	0-3
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Business Administration:

BUSINESS 3025	Business Analysis Techniques	3
BUSINESS 3030	Accounting Concepts	3
BUSINESS 3035	Information Systems for Professionals	3
BUSINESS 3050	Work Experience and Management Theory	3
BUSINESS 3060	Law, Society, and Business	3
BUSINESS 3065	Entrepreneurship and Opportunity	3
BUSINESS 3070	Topics: Effective Business Practices	3
BUSINESS 4040	Applied Business Finance	3
BUSINESS 4045	Practical Marketing for Organizations	3
BUSINESS 4055	Talent Management	3
Total Hours		30-33

Suggested Sequence

Term 1		
LAC Category 1A		3
LAC Category 1C		3
Term 2		
LAC Category 5 (ECON 1031 (920:024) is the recommended course to satisfy both the LAC Category 5 and this major requirement)		3
BUSINESS 3025	Business Analysis Techniques	3
Term 3		
LAC Category 1B		3
BUSINESS 3030	Accounting Concepts	3
Term 4		
ENGLISH 3186 Studies in Technical Communication		3
BUSINESS 3035	Information Systems for Professionals	3
Term 5		
LAC Category 3		3
BUSINESS 3050	Work Experience and Management Theory	3
Term 6		
COMM 3155 (48C:173)	Business and Professional Oral Communication	3
BUSINESS 3060	Law, Society, and Business	3
Term 7		
LAC Category 2		3
BUSINESS 3065	Entrepreneurship and Opportunity	3
Term 8		

LAC Category 4		3
BUSINESS 3070	Topics: Effective Business Practices	3
Term 9		
LAC Category 6		2-3
BUSINESS 4040	Applied Business Finance	3
Term 10		
BUSINESS 4045	Practical Marketing for Organizations	3
BUSINESS 4055	Talent Management	3

Master of Business Administration Degree Program

Graduate study in business at UNI is designed to qualify men and women 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 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, post-baccalaureate experience, the score on the Graduate Management Admission Test (GMAT), and writing and reasoning skills demonstrated on the addendum to the 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 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 200/6000-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 Administration for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

Detailed information for the M.B.A. may be obtained from the College of Business Administration, UNI or on the M.B.A. Web site www.cba.uni.edu/mba.

Required

Accounting:		
ACCT 6030 (120:262)	Managerial Accounting	3
Marketing:		
MKTG 6170 (130:263)	Marketing Management	3
Management:		
MGMT 6249 (150:249)	Management Information Systems Concepts	3
MGMT 6250 (150:250)	Strategic Planning and Organization Analysis	3
MGMT 6260 (150:262)	Strategic Management of Human Resources	3
MGMT 6262 (150:272)	Cross-Functional Operations	3
MGMT 6272 (150:274)	Research and Analysis for Management Decisions	3
MGMT 6276 (150:276)	Business Capstone Experience	1
Finance:		
FIN 6266 (160:266)	Financial Management and Markets	3
Economics:		
ECON 6520 (920:260)	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

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 (150:250)	Strategic Planning and Organization Analysis	3
ACCT 6030 (120:262)	Managerial Accounting	3

List of Programs by Department

MKTG 6170 (130:263)	Marketing Management	3
MGMT 6262 (150:272)	Cross-Functional Operations	3
MGMT 6260 (150:262)	Strategic Management of Human Resources (or elective determined by the MBA Program Director)	3
Total Hours		15

Certificate in International Business, Culture, and Language

The Certificate in International Business, Culture, and Language is available to College of Business Administration 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 UNIBusiness 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 (150:189)	International Management	3
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Cultural and Political Perspectives

Select one of the following:		3
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Political Science:

POL INTL 1024 (943:024)	International Relations *	3
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Geography:

GEOG 1110 (970:040)	World Geography *	3
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Sociology:

SOC 1000 (980:001)	Introduction to Sociology *	3
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Anthropology:

ANTH 1002 (990:011)	Introduction to Cultural Anthropology *	3
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Foreign Language and History ***

Select one of the language options below:		5-24
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Chinese (8-18 hours)

CHIN 1001 (710:001)	Elementary Chinese I **	4-5
CHIN 1002 (710:002)	Elementary Chinese II **	4-5
CHIN 1011 (710:011)	Intermediate Chinese I	4-5

Select one of the following:

RELS 2100	Great Living Religions: Hinduism and Buddhism	3
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RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	3
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HUM 3124 (680:124)	China *	3
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POL COMP 3162 (944:162)	Politics of East Asia	3
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HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History	3
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HISNW 4860/5860 (964:187g)	Modern Chinese History	3
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SOC 3102/5102 (980:168g)	Culture, Disease, and Healing	3
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French (7-24 hours)

FREN 1001 (720:001)	Introduction to French Language and Culture I **	3
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FREN 1002 (720:002)	Introduction to French Language and Culture II **	3
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FREN 1011 (720:003)	French Communication Practice I **	2
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FREN 1012 (720:004)	French Communication Practice II **	2
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FREN 2001 (720:011)	Intermediate French Language and Culture	3
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FREN 2011 (720:012)	Intermediate French Communication Practice	2
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Select one of the following:

FREN 2002 (720:051)	Composition	3
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FREN 2012 (720:061)	Conversation	2-3
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HISEUB 4620/5620 (963:174g)	History of Modern France	3
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German (7-18 hours)

GER 1001 (740:001)	German Language and Culture I **	3
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GER 1002 (740:002)	German Language and Culture II **	3
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GER 1011 (740:003)	German Communication Practice I **	2
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GER 1012 (740:004)	German Communication Practice II **	2
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GER 2001 (740:011)	German Language and Culture III	3
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GER 2011 (740:012)	German Communication Practice III	2
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Select one of the following:

GER 2002 (740:013)	German Language and Culture IV	3
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GER 2012 (740:014)	German Communication Practice IV	2
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GER 1120 (740:031)	Introduction to German Literature in Translation *	3
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ENGLISH/CAP 3148	The Holocaust in Literature and Film	3
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HISEUA 4460/5460 (962:171g)	History of Germany to 1648	3
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HISEUB 4630/5630 (963:172g)	History of Germany Since 1648	3
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Spanish (7-20 hours)

SPAN 1001 (780:001)	Elementary Spanish I **	3
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SPAN 1002 (780:002)	Elementary Spanish II **	3
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SPAN 2001 (780:011)	Intermediate Spanish	3
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Select one of the following:

HUM 3123 (680:123)	Latin America *	3
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SPAN 2053 (780:053)	Spanish for Special Purposes:	2-3
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SPAN 2002 (780:055)	Oral and Written Spanish	3
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SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture	3-5
POL COMP 3167 (944:167)	Latin American Politics	3
HISNW 4720/5720 (964:180g)	Modern Latin American History	3

English (9 hours)

Select one of the following:

HISUS 1023	History of the United States	3
POL AMER 1014 (942:014)	Introduction to American Politics *	3

Select two of the following:

ENGLISH 2520 (620:040)	Multicultural Literature	3
ENGLISH 2340 (620:043)	Survey of English Literature II: Romanticism to Post-Colonialism	3
ENGLISH 2420 (620:053)	Survey of American Literature	3
ENGLISH 4420/5420 (620:121g)	The American Renaissance	3
ENGLISH 4445/5445 (620:124g)	American Novel Since 1900	3
ENGLISH 4410/5410 (620:151g)	Early American Literature	3
HISUS 4235/5235 (961:120g)	Popular Culture in the United States	3
HISUS 4275/5275 (961:142g)	United States Constitutional History	3
HISUS 4240/5240 (961:144g)	History of American Thought	3
HISUS 4250/5250 (961:145g)	Religion in America	3
HISUS 4265/5265 (961:150g)	Society and Culture in the United States	3

* Credit hours in these Liberal Arts Core courses may be applied toward the completion of the Liberal Arts Core 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.

*** A student's native language cannot be used to meet the language requirement for the certificate.

Summary

1. International Business	3
2. Cultural and Political Perspectives	3
3. Foreign Language and History *	5-24
Chinese: 8-18 hours	
French: 7-24 hours	
German: 7-18 hours	
Spanish: 7-20 hours	
English: 9 hours	
Total Hours	11-30

* A student's native language cannot be used to meet the requirements of this certificate.

College of Education

The College of Education offers the following degree under the supervision and jurisdiction of the college:

Doctor of Education Degree

(See website www.uni.edu/catalog/collegeofeducation - for PDF version see listing for "College of Education" under the "Interdisciplinary" section of this university catalog.)

Students interested in the 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 or contact the appropriate Intensive Study Area (ISA) for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. The Graduate Record Examination (GRE) is required for admission to the program.

This program is intended to provide practicing educators, in formal 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 60 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)	27
Advanced Professional Study (in one of three areas of intensive study)	27
Dissertation	6
Total Hours	60

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 three areas of intensive study provide for a specialized focus on practice. The three intensive study areas (ISAs) are:

- *Allied Health, Recreation, and Community Services*
- *Curriculum and Instruction*
- *Educational Leadership*

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 three 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

List of Programs by Department

professional areas knitted together by a unified commitment to enhancing, enriching and sustaining individual well-being and quality of life. Each of these areas contributes unique and different professional perspectives, yet, at the same time, focuses on the individual and collective well-being of people, communities and society as a whole. Graduates are prepared for careers as applied scholars, evaluators, athletic administration, administrators of community nonprofit organizations, youth serving agencies, public parks and recreation agencies, foundations, and government agencies. 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 Chair of Leisure, Youth and Human Services, Health Promotion and Education, or Athletic Training in 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, 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 Leadership and Postsecondary Education. (For more information, contact the Head, Department of Educational Leadership and Postsecondary Education, or please see the catalog at www.uni.edu/catalog. uni.edu/collegeofeducation/educationalleadershipandpostsecondaryeducation or visit the Department of Educational Leadership and Postsecondary Education website at www.uni.edu/coe/departments/educational-leadership-postsecondary-education.)

Admission to Doctoral Study

Initial Admission

Formal application to doctoral study should be made to the appropriate intensive study area office, where descriptive materials and application

packets may be obtained. Application for graduate admission can be found at www.grad.uni.edu/admission.

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 transcripts of all previous academic work. Applicants with a grade point average of less than 3.50 for **all** prior graduate work will not usually be considered for unconditional admission.
3. The Graduate Record Examination (GRE) is required for admission. Students applying for admission to the Ed.D. degree program must have their verbal, analytical writing, and quantitative scores on the Graduate Record Examination forwarded directly to the Office of Admissions in order to be considered for degree status admission.
4. The applicant must have a minimum of three years of professional educational 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 educational employer/supervisor.
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 unconditional admission are 550 (paper) / 79-80 (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. Some intensive study areas require a written statement from each applicant as part of the total application packet. The written statement should articulate the applicant's professional background, reasons for seeking the doctoral degree and a statement of career goals. A sample of professional writing that will be formally assessed may also be required. The professional writing sample may consist of a master's research paper or thesis, published article, a paper prepared for presentation at a professional conference, or similar document. Contact the appropriate Intensive Study Area for complete application requirements.

Provisional degree status 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. Provisional degree status will not be considered for applicants whose admission files

are incomplete. An individual admitted to provisional degree status must be formally reconsidered for unconditional admission, 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 27-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. A Graduate Credit Transfer Evaluation form is also required for each course the student wishes to submit for transfer - this form can be found at <https://www.grad.uni.edu/policies/graduate-policies/graduate-transfer-credit>. Courses will not be evaluated for transfer credit eligibility until the student is in attendance at UNI. See www.grad.uni.edu/admission/application-process 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 45 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 60 semester hours of credit beyond the master's degree is required. Students must complete the 27-credit Professional Common Core, the 27-credit Advanced Professional Study in one of three intensive study areas, and 6 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 (100g/5000-level, 200/6000-level, or 300/7000-level). A minimum of 45 hours of course work at the 200/6000-level or 300/7000-level must be completed. No more than 15 hours of credit at the 100g/5000-level may apply toward the minimum hours.

b. Research credit

6 hours of INTDEPED 7399 (190:399) is required for the degree. No more than 6 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 xxx:299/6299 cannot be applied to a doctoral degree. Directed Research xxx:29R/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. xxx:29R/629R cannot be applied to the required minimum hours for the degree or the required minimum hours of 200/6000-level or 300/7000-level for the degree.

c. 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.

d. Correspondence Credit (specified as Guided Independent Study at UNI)

See the Common Regulations and Requirements for All Graduate Programs.

e. Workshop credit

See the Common Regulations and Requirements for All Graduate Programs.

3. Residence requirement

A student must complete 45 hours of credit, including the Professional Common Core, with members of the UNI Graduate Faculty.

4. Assessments

The following examinations are required of all students enrolled in the Doctor of Education program:

a. Doctoral comprehensive requirement

The candidate requests permission to complete the comprehensive requirement (i.e., comprehensive examination or alternative comprehensive) through an Intensive Study

List of Programs by Department

Area office. Normally, such a request is made during the term prior to the administration of the comprehensive requirement. The doctoral comprehensive requirement is governed by the following conditions:

- i The candidate will have completed a minimum of 80 percent of program of study for a comprehensive examination or 40 percent of a program of study for the alternative comprehensive.
- ii The candidate will have satisfied the research proficiency requirement.
- iii The requirement is prepared within the guidelines established by the ISA.
- iv A candidate may be permitted to take the doctoral comprehensive examination a second time.

Note: Upon successful completion of the Doctoral Comprehensive Examination, the degree candidate achieves the status of active candidate.

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 comprehensive examination, will be automatically registered and assessed a fee for INTDEPED:629C Continuous Registration until they have met the enrollment criteria for .

b. Doctoral dissertation examination

Upon completion of her/his 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.

5. Dissertation

A dissertation is required of all candidates for the Doctor of Education degree. Students are encouraged to select the topic of their dissertation early in the program. The dissertation is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis-dissertation. This manual should be consulted prior to writing the dissertation.

a. Dissertation Committee

The dissertation committee will consist of a minimum of four members of the UNI graduate faculty. One of the four members must be from outside the student's department(s). Departments are identified on the student's Dissertation Committee Appointment Form.

An expansion of the committee may occur if a non-faculty member or an external faculty member from a university other than UNI agrees to serve due to expertise or as a representative of an area of knowledge. Approval shall comprise a written petition submitted in the normal procedure. Non-faculty personnel will participate in all committee responsibilities except for signature decisions.

b. Credit hours

The dissertation will involve 6 hours of credit. The instructor may assign an RC for Research Continued, if s(he) feels the work has not reached the stage where it can be evaluated. Registration for the last segment of research credit should be postponed until the dissertation is near completion. The Registrar may authorize the extension of time for the completion of a Research Continued (RC) in Research up to one additional calendar year with consent of instructor. If at the end of that time the work has not yet been completed, the RC will be changed to an F (Failure).

c. Doctoral dissertation proposal

The student, in conjunction with her/his 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 this committee. An announcement of proposed defense should be disseminated by the COE Dean's Office no less than two weeks prior to defense date.

d. Dissertation Preview

During the semester in which the student intends to graduate, the student must make an appointment with the Graduate College for a dissertation preview to have the style and format of the dissertation reviewed. All problems may not be detected during the preview; however, the major difficulties will be discussed. Often a brief consultation will uncover format problems that are easily remedied at this stage. Intensive Study Area Coordinators must identify the students who should be scheduled for preview each semester. The student must have an up-to-date advisement report and the Dissertation Committee approved by the Graduate Dean before a preview meeting will be scheduled. The preview must be **scheduled and completed no later than eight weeks** before the last day of the semester students intend to graduate. See www.grad.uni.edu/important-dates for preview dates. No dissertation will be accepted by the Graduate College for final approval without the completion of this preview.

e. Oral Defense

See 4.2 above (Examinations). Completion of the dissertation occurs when the student's committee and the Dean of the Graduate College have approved the dissertation. The dissertation must be in final copy form before doctoral committee members may affix their signatures for approval. The dissertation must be presented for approval to the dissertation committee three weeks prior to the Graduate College deadline for final submission. See www.grad.uni.edu/important-dates for the final submission deadline. An announcement of the defense should be disseminated by the

COE Dean's Office no less than 2 weeks prior to the defense date.

f. Filing of Dissertation

See www.grad.uni.edu/important-dates for the final submission deadline each term. In addition to the printed copy of the thesis or dissertation, the manuscript must be submitted by the student to the Graduate College electronically. It should be formatted in Microsoft Word as a single document (do **not** convert it to a pdf). Using your UNI email account, attach the Word document to an email and send to the Graduate College Thesis Reviewer, janet.witt@uni.edu. After final approval, both the printed copy and the electronic copy will be retained by the UNI Rod Library. Check the Thesis & Dissertation Manual for information about copyrighting the dissertation. A complete submission includes:

- i Electronic dissertation, produced in one Microsoft Word document; emailed as an attachment from the student's UNI email account to the Thesis Reviewer, janet.witt@uni.edu.
- ii One printed copy of the dissertation and abstract on approved thesis paper. After receiving final approval, this copy will be bound and maintained by Rod Library at the University of Northern Iowa.
- iii *Minimum* of three copies of dissertation abstract title page on approved thesis paper, each one originally signed by the chair, and co-chair if applicable, after the student's successful defense. The Graduate Dean will sign these pages after the dissertation receives final approval of the Graduate College. The Graduate College keeps one copy to be bound into the dissertation, sends one to the student's ISA office, and returns the extra one to the student for personal use. If the student wants more than one personal copy, extras may be submitted, and all extras will be returned to the student after final approval.
- iv *Minimum* of three copies of the dissertation title page on approved thesis paper with original signatures of all committee members. The student should prepare and obtain signatures on the same number of dissertation title pages and abstract title pages. The Graduate College keeps one copy to be bound into the dissertation, sends one to the student's ISA office, and returns all extras to the student for personal use.
- v Three blank sheets of approved thesis paper (required for binding)
- vi Graduate College dissertation submission form (available at www.grad.uni.edu/thesis-dissertation). This is a "fillable" form; it should be opened in Adobe Acrobat and filled out on the computer, and then printed on plain paper.
- vii Dissertation approval form. Please use the most recent version of the form, available at www.grad.uni.edu/thesis-dissertation/. This form should also be opened in Adobe Acrobat and filled out on the computer, and printed on plain white paper.

NOTE: Illegible handwritten forms will not be accepted.

Following the successful defense, obtain all required signatures except the Graduate Dean's before submitting to the Graduate college (the Graduate College Dean will sign when final approval is given by Graduate College).

- viii Actual dissertation draft read at time of preview (not required if preview was done by email).
- ix Self-addressed label (provided at time of preview) for return of extra approval pages to student. If preview was completed by email, be sure to specify mailing address for the return of signed approval pages in lieu of a mailing label.
- x Doctoral students graduating from the College of Education at the University of Northern Iowa must complete a Survey of Earned Doctorates form. The form should be submitted online at <https://sed.norc.org/doctorate/>.
- xi After the dissertation has received final approval by the Graduate College, a link to the Agreement and Permission to Preserve Thesis/Dissertation form will be emailed to the student at their UNI email address. This Agreement form must be submitted electronically. This completes the process for the student, and the Graduate College will submit the thesis electronically to the Library and the printed copy will be bound. The student's ISA and the Registrar's Office will be notified of final approval after this form is submitted.
- xii For further dissertation information, see the Graduate College's *Thesis and Dissertation Manual* at www.grad.uni.edu/thesis-dissertation.

g. Dissertation Fees

A fee of **\$25.00** is required for all students submitting a thesis or dissertation. This covers the Library's costs for binding the print copy and processing the electronic copy of the thesis/dissertation. **The fee will be charged to the student's U-Bill after the final copy of the thesis/dissertation is submitted to the Graduate College.** The printed copy of the dissertation will be bound, and both the bound copy and the electronic copy will be retained by UNI's Rod Library. Check with your ISA's graduate secretary regarding the requirements and costs for printing and binding ISA copies.

6. 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 can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial late application fee will be charged in addition to

List of Programs by Department

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.** Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on a MyUNiverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application. includes:

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:

- Spring graduate degree candidates must submit their application by April 1.
- Fall graduate degree candidates must submit their application by November 10.
- 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.

Summer Graduation - Doctoral Degree Students: Students who complete their degree requirements in summer may apply for summer or fall graduation (degree conferral), but they will only be eligible to participate in Fall commencement. Exceptions for summer doctoral candidates to participate in Spring commencement will only be made if the student applied for summer graduation by April 1 and has completed all degree requirements, including defense and final submission of the dissertation to the Graduate College, *prior to the last week of classes of the spring term.*

7. 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 Program Requirements

Doctor of Education Professional Common Core for all Intensive Study Areas

Substantive Component: 18 credit hours (3 credits per course) 18

INTDEPED 7303 (190:303)	Foundations of Inquiry
INTDEPED 7318	Evidence-Based Practices, Assessment, Accountability, and Program Evaluation
INTDEPED 7320	Leadership in Formal and Informal Learning Environments (or EDLEAD 6245 if taken for an Advanced Studies Certificate in Educational Leadership)
or EDLEAD 7311 (270:311)	Educational Leadership and Systems Change
INTDEPED 7322	Organizational and Community Transformation (OR EDLEAD 7325 or EDLEAD 6247 if taken for an Advanced Studies Certificate in Educational Leadership)
INTDEPED 7324	Critical Analysis of Social and Cultural Contexts in Education
INTDEPED 7326	Integrating Theory with Practice

Research Methods 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 (250:270)	Educational Program Evaluation
MEASRES 7310 (250:310)	Advanced Qualitative Methods in Educational Research
MEASRES 7330	Advanced Quantitative Research in Education

Total hours in Professional Common Core 27

Allied Health, Recreation and Community Services Intensive Study Area Requirements

I. Professional Common Core 27

II. Advanced Professional Studies

Required Courses in Allied Health, Recreation and Community Services Core:

KAHHS 7410	Critical Theories and Practices I	3
KAHHS 7412	Critical Theories and Practices II	3
KAHHS 7329	Research and Evaluation Seminar	1-6

Academic Specialization: Select one primary area for 12 credits, and 3 credits of electives of your choice. 15

- A. Health Promotion and Education
- B. Leisure, Youth and Human Services
- C. Rehabilitation Studies

III. Dissertation Research 6

INTDEPED 7399 (190:399) Dissertation Research

Total Hours 55-60

Curriculum & Instruction Intensive Study Area Requirements**I. Professional Common Core** 27**II. Advanced Professional Studies (27 hours)****Required Courses in Curriculum and Instruction Intensive Study Area:**

Curriculum and Instruction: 6

ELEMECML 7352 (210:352) Curriculum Theory and Development

ELEMECML 7354 (210:354) Curriculum Implementation and Evaluation

Curriculum and Instruction Seminar: 3-12

ELEMECML 7389 (210:389) Seminar in Curriculum and Instruction

Curriculum and Instruction Practicum: 1-4

ELEMECML 7397 (210:397) Practicum in Curriculum and Instruction

Instructional Technology: 3

INSTTECH 7340 (240:340) Designing Instructional Systems

or INSTTECH 6240 (240:240) Understanding Instructional Design

Electives: 2-14

Electives must be added to reach a total 27 hours along with above courses for the Advanced Studies requirement.

III. Dissertation Research 6

INTDEPED 7399 (190:399) Dissertation Research

Total Hours 60

Educational Leadership Intensive Study Area Requirements

This intensive study area is available in two tracks: The Superintendent/Principalship track and the Special Education Director track.

Superintendency/Principalship Track**I. Professional Common Core** 27**II. Advanced Professional Studies****Required Courses in Educational Leadership:**

Seminar (select one): 3

POSTSEC 7389 (170:389) Seminar in Postsecondary Education

or EDLEAD 7389 (270:389) Seminar in Educational Leadership

or EDLEAD 6289 (270:289) Seminar in Educational Leadership

Practicum or Internship (select one or more): 3

POSTSEC 7397 (170:397) Practicum: Postsecondary Education

or EDLEAD 7397 (270:397) Practicum in Educational Leadership

or EDLEAD 7391 (270:391) Internship in Educational Leadership

or EDLEAD 6291 (270:291) Internship

Electives chosen from the following: 21

EDLEAD 6206 (270:206) Orientation to ISSL and Educational Leadership

EDLEAD 6232 (270:232) School Governance, Law and Intersystems Relations

EDLEAD 6249 (270:249) Leading Learning, Teaching, and Curriculum

EDLEAD 6282 (270:282) Leading School Growth and Improvement

EDLEAD 6284 (270:284) Evaluator Approval for Improved Student Learning

EDLEAD 6285 (270:285) Readings in Educational Leadership *

EDLEAD 6289 (270:289) Seminar in Educational Leadership *

EDLEAD 6291 (270:291) Internship

EDLEAD 6292 (270:292) Capstone ISSL

EDLEAD 7310 (270:310) Human Resource Administration

EDLEAD 7315 (270:315) Leading Teaching, Learning and Assessment

EDLEAD 7318 (270:318) Evaluation of Administrators

EDLEAD 7319 (270:319) Power, Politics, and Ethics in School District Leadership

EDLEAD 7340 (270:340) Funding the Educational Program for Improved Student Achievement

EDLEAD 7346 (270:346) School Business Management

EDLEAD 7385 (270:385) Readings in Educational Leadership *

EDLEAD 7389 (270:389) Seminar in Educational Leadership *

EDLEAD 7391 (270:391) Internship in Educational Leadership

EDLEAD 7397 (270:397) Practicum in Educational Leadership

Other courses as approved by ISA.

*1-3 hours - may be repeated with Intensive Study Area approval.

III. Dissertation 6

INTDEPED 7399 (190:399) Dissertation Research

Total Hours 60

Special Education Director Track**I. Professional Common Core** 27**II. Advanced Professional Studies for Special Education Director Track:** 27

List of Programs by Department

Required:

EDLEAD 6232 (270:232)	School Governance, Law and Intersystems Relations
EDLEAD 6282 (270:282)	Leading School Growth and Improvement
EDLEAD 6284 (270:284)	Evaluator Approval for Improved Student Learning
SPED 6260 (220:260)	Special Education Law and Policy
SPED 6278 (220:278)	Administration of Special Education
SPED 6290 (220:290)	Practicum

Electives:

Electives (chosen from the following) must be added to reach a total 27 hours along with above courses for the Advanced Studies requirement.

EDLEAD 6245 (270:245)	Leadership for Effective Schools
EDLEAD 6249 (270:249)	Leading Learning, Teaching, and Curriculum
EDLEAD 6289 (270:289)	Seminar in Educational Leadership *
EDLEAD 7310 (270:310)	Human Resource Administration
EDLEAD 7311 (270:311)	Educational Leadership and Systems Change
EDLEAD 7315 (270:315)	Leading Teaching, Learning and Assessment
EDLEAD 7318 (270:318)	Evaluation of Administrators
EDLEAD 7319 (270:319)	Power, Politics, and Ethics in School District Leadership
EDLEAD 7385 (270:385)	Readings in Educational Leadership
MEASRES 6270 (250:270)	Educational Program Evaluation (if not taken for Professional Common Core)
SPED 7301	Internship in Special Education Administration
SPED 7385	Readings in Special Education
SPED 7386 (220:386)	Studies in Special Education
SPED 6285	Readings in Special Education
SPED 6286	Studies in Special Education
Other courses as approved by ISA.	
*1-3 hours - may be repeated with Intensive Study Area approval.	

III. Dissertation Research	6
Total Hours	60

College of Humanities, Arts and Sciences and College of Social and Behavioral Sciences

The College of Humanities, Arts and Sciences and the College of Social and Behavioral Sciences offer the following program certificate under the supervision and jurisdiction of these colleges.

Certificate in Leadership Foundations

The Certificate in Leadership Foundations is an interdisciplinary program that educates students about and for leadership in a democratic society. This certificate provides an overview of diverse leadership theories, concepts, and issues, and assessment of one's leadership styles and abilities. It is open to any student; prior experience in leadership activities is not required.

Prerequisite for admission: 2.50 GPA or permission of director.

Students who are pursuing the Certificate in Leadership Foundations must have an overall GPA in the core courses, including the internship, of 2.50 with no lower than a C in any one course.

Required

Humanities:		
HUM 3188 (680:188)	Seminar on Leadership Development: The Future	2

Electives

Three courses approved by Leadership Studies Director.		9
Total Hours		11

College of Humanities, Arts and Sciences

The College of Humanities, Arts and Sciences offers the following under the supervision and jurisdiction of the college.

Program Certificate

- Women's and Gender Studies (graduate certificate)

Graduate Certificate in Women's and Gender Studies

The Graduate Certificate in Women's and Gender Studies is offered by the College of Humanities, Arts and Sciences and 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 who are seeking a graduate degree in any discipline.

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 200/6000-level. Courses fulfilling the

List of Programs by Department

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, 319-273-7102, or www.uni.edu/womenstudies.

Required

Select one of the following: 3

Languages and Literatures:

ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice
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Humanities:

WGS 6289 (680:289)	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories
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Sociology:

SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences
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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 (200:188g)	Current Approaches to Multicultural Education
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Design, Textiles, Gerontology, & Family Studies:

FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships
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TEXDSGN 4015/5015 (31T:114g)	Dress and Human Behavior
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Health Promotion:

HPE 4328/5328 (410:128g)	Selected Topics in Women's Health
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HPE 4162/5162 (410:162g)	Introduction to Women's Health
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Political Science:

POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law
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History:

HISUS 4260/5260 (961:146g)	United States Women's History
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HISEUB 4690/5690 (963:161g)	Modern European Women's History
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Sociology/Criminology:

SOC 3045/5045 (980:135g)	Social Inequality
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SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences
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CRIM 4331/5331 (982:131g)	Women, Crime and Society
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Category B: Humanities

Communication Studies:

COMM 4447/5447 (48C:108g)	Performance and Social Change
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COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric
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COMM 4346/5346 (48C:153g)	Gender Issues in Communication
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Languages and Literatures:

ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
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ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice
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World Religions:

RELS 3150	Women and Christianity
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Humanities:

HUM 3160/5160 (680:160g)	Black Women in America: Challenge, Spirit, Survival
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WGS 6289 (680:289)	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories
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Category C: Experimental

Social Science:

WGS 3195/5195 (900:195g)	Internship in Women's and Gender Studies
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Practicum that has a gender focus and is advised by a WGS faculty member.

Total Hours 12

Iowa Lakeside Laboratory

(Interinstitutional Program)

www.continuetolearn.uiowa.edu/lakesidelab/

For current information refer to the above Iowa Lakeside Laboratory website.

Department of Kinesiology

(College of Education)

www.uni.edu/coe/kahhs

Effective July 1, 2018 the School of Kinesiology, Allied Health and Human Services restructured into two departments - the Department of Kinesiology and the Department of Health, Recreation and Community Services. The Department of Kinesiology offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed in the following order:

- **Undergraduate Majors (B.A.)**
 - Movement and Exercise Science
 - Physical Education-Teaching
- **Minors**
 - Coaching
- **Graduate Major (M.A.)**
 - Physical Education
- **Program Certificate**

List of Programs by Department

- Aquatics Specialization (also listed in Department of Health, Recreation and Community Services)

Bachelor of Arts Degree Programs

Movement and Exercise Science Major

The Movement and Exercise Science major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 movement and exercise science or related areas but not for endorsement in K-12 school settings. To continue in the program and take 3000-level courses and above a student must have a C- or better in PEMES 2050 (420:050) Anatomy and Physiology of Human Movement. The student must maintain a cumulative 2.50 GPA in the major to graduate.

A student who is completing both emphases in this Movement and Exercise Science major is required to complete 12 hours in the internship/senior project/research experiences/senior thesis area.

Required core:

Athletic Training:		2
AT 1018 (42T:018)	Prevention and Care of Athletic Injuries	
Physical Education:		19
PEMES 2050 (420:050)	Anatomy and Physiology of Human Movement	
PEMES 2053 (420:053)	Physical Activity and Nutrition for Health and Fitness	
PEMES 2056 (420:056)	Introduction to Motor Behavior	
PEMES 3121 (420:121)	Sociology and Psychology of Physical Activity	
PEMES 3151 (420:151)	Introductory Biomechanics	
PEMES 3153 (420:153)	Physiology of Exercise	
PEMES 3163	Career and Professional Development	
Physical Education (select a minimum of 6 hours from the following):		6
PEMES 3191 (420:191)	Senior Project	
PEMES 3193 (420:193)	Research Experiences	
PEMES 3197 (420:197)	Internship in Physical Education	
PEMES 4194 (420:194)	Senior Thesis	
Choose one of the following emphases:		12
Emphasis 1 - Exercise Science: *		
Physical Education:		
PEMES 3155/5155 (420:155g)	Exercise Physiology: Applications for Health and Human Performance	
PEMES 3156 (420:156)	Fitness Assessment and Programming	
PEMES 3157 (420:157)	Sports Nutrition	
PEMES 3186 ("Studies in", 3 hrs.)		
Emphasis 2 - Sport Psychology: **		

Athletic Training:

AT 1019 (42T:019)	Prevention and Care Laboratory
Physical Education:	
PEMES 3122 (420:122)	Psycho-Social Aspects of Competitive Sport
PEMES 3154 (420:154)	Psychological Skills for Sport Participants
Physical Education (select a minimum of 6 hours from the following):	
PEMES 2025 (420:025)	Conditioning Theory and Practice
PEMES 3155/5155 (420:155g)	Exercise Physiology: Applications for Health and Human Performance
PEMES 3156 (420:156)	Fitness Assessment and Programming
PEMES 3186 ("Studies in", 1-6 hrs.)	
Total Hours	39

- * This emphasis prepares students with a broad background in exercise science with the ability to implement individual and group exercise and fitness programs, strength and power development, and as a preparation for graduate study in exercise science.
- ** This emphasis provides a broad education in sport psychology and is designed to prepare students interested in pursuing careers in coaching, youth sport, as a sport teaching professional, motivational trainer, or for advanced studies in coaching. Students in this emphasis are strongly encouraged to complete a coaching minor.
- 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 PEMES 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

The Physical Education-Teaching major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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:		17
Physical Education:		
PEMES 2050 (420:050)	Anatomy and Physiology of Human Movement	

List of Programs by Department

PEMES 2053 (420:053)	Physical Activity and Nutrition for Health and Fitness
PEMES 2056 (420:056)	Introduction to Motor Behavior
PEMES 3121 (420:121)	Sociology and Psychology of Physical Activity
PEMES 3151 (420:151)	Introductory Biomechanics
PEMES 3153 (420:153)	Physiology of Exercise
Pedagogical content: 19	
Physical Education:	
PEMES 2030	Teaching Physical Education For Learning
PEMES 2031	Teaching Physical Education with Technology
PEMES 3173 (420:173)	Teaching Methods Block
PEMES 3174 (420:174)	Assessment Processes in Physical Education *
PEMES 3176 (420:176)	Administration and Curriculum Development in Physical Education
PEMES 4152/5152 (420:152g)	Adapted Physical Education *
Skill and Activity content: 11	
Physical Education:	
PEMES 2011 (420:011)	Fundamental Physical Activities -- Aquatics
PEMES 2013 (420:013)	Fundamental Physical Activities - Dance
PEMES 2015 (420:015)	Lifetime Activities I (2 hrs. required)
PEMES 2016 (420:016)	Lifetime Activities II (2 hrs. required)
PEMES 2017 (420:017)	Fundamental Physical Activities -- Outdoor/Adventure Pursuits
PEMES 2019	First Aid and CPR for Physical Educators
PEMES 2021 (420:021)	Movement Activities for Children
TOTAL PEMES HOURS 47	
Professional Education Sequence 29	
EDPSYCH 2030 (200:030)	Dynamics of Human Development
EDPSYCH 3148 (200:148)	Learning and Motivation in Classroom Contexts
PEMES 2031	Teaching Physical Education with Technology
SOCFOUND 3119 (260:119)	Schools and American Society
TEACHING 2017	Level 1 Field Experience: Exploring Teaching
TEACHING 3128	Level 2 Field Experience: Teacher as a Change Agent
TEACHING 3140 (280:140)	Special Area Teaching: Art, ESL, Music, and Physical Education

TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application
Total Hours	76

* Students with a major in Physical Education-Teaching will substitute PEMES 2031 Teaching Physical Education with Technology for INSTTECH 1031 (240:031) Educational Technology and Design; PEMES 4152/5152 (420:152g) Adapted Physical Education for SPED 3150 (220:150) Meeting the Needs of Diverse Learners in Classrooms; and PEMES 3174 (420:174) Assessment Processes in Physical Education for MEASRES 3150 (250:150) Classroom Assessment in the Professional Education Requirements.

Minor

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:	
Educational Psychology: 3	
EDPSYCH 2030 (200:030)	Dynamics of Human Development
Athletic Training: 3	
AT 1018 (42T:018)	Prevention and Care of Athletic Injuries
AT 1019 (42T:019)	Prevention and Care Laboratory
Physical Education: 10	
PEMES 2024 (420:024)	Anatomy and Kinesiology
PEMES 2025 (420:025)	Conditioning Theory and Practice
PEMES 3118 (420:118)	Practicum in Coaching
PEMES 3122 (420:122)	Psycho-Social Aspects of Competitive Sport
PEMES 4217/5217 (420:127g)	Organization and Administration of Competitive Sports
Electives from the following: 4-6	
Physical Education:	
PEMES 3101 (420:101)	Advanced Skill and Coaching Theory -- Baseball
PEMES 3102 (420:102)	Advanced Skill and Coaching Theory -- Basketball
PEMES 3104 (420:104)	Advanced Skill and Coaching Theory -- Football
PEMES 3107 (420:107)	Advanced Skill and Coaching Theory -- Soccer
PEMES 3108 (420:108)	Advanced Skill and Coaching Theory -- Softball

List of Programs by Department

PEMES 3111 (420:111)	Advanced Skill and Coaching Theory -- Track and Field
PEMES 3112 (420:112)	Advanced Skill and Coaching Theory -- Volleyball
PEMES 3113 (420:113)	Advanced Skill and Coaching Theory -- Wrestling
Total Hours	20-22

Note: Students in teaching majors will complete EDPSYCH 2030 (200:030) within the Professional Education Requirements. PEMES 3118 (420:118) (Practicum) must be completed prior to student teaching.

Master of Arts Degree Program Major 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 www.grad.uni.edu/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 **thesis** and **non-thesis** options. A **minimum of 30 semester hours** is required for both options. Additional hours may be required if, upon entering the graduate program, the student needs prerequisites. Total hours for the thesis option includes 6 hours of PEMES 6299 (420:299) Research. Total hours for the non-thesis option includes 2 hours of PEMES 6299 (420:299) Research for a research paper. A thesis/research paper defense is required. No comprehensive examination is required.

This major offers two emphases:

1. Physical Education - Pedagogy:

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 not meeting these requirements may petition for special consideration for admission.

A minimum of 15 hours must be at the 200/6000 level for both the thesis and non-thesis options. The program is available on the thesis and non-thesis options.

The primary focus of this emphasis is the study of teaching (pedagogy). The program does not lead to a teaching license in Physical Education.

Required:

Measurement and Research/Kinesiology, Allied Health and Human Services, Interdepartmental:	6
KAHHS 6290	Research Methods for KAHHS

Choose one of the following:

MEASRES 6205 (250:205)	Educational Research
KAHHS 6210	Quantitative Methods in KAHHS
KAHHS 6215	Qualitative Methods
Physical Education:	9
PEMES 6230 (420:230)	Curriculum Theory and Design in Physical Education
PEMES 6231 (420:231)	Effective Teaching in Physical Education
PEMES 6273 (420:273)	Contemporary Issues in Physical Education and Athletics
Physical Education:	2
PEMES 6297 (420:297)	Practicum
2 hours	
Research:	2 or 6
PEMES 6299 (420:299)	Research
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	
Electives from the following courses:	7 or 11
PEMES 6222 (420:222)	Sport Psychology
PEMES 6251 (420:251)	Biomechanics
PEMES 6255 (420:255)	Motor Control and Learning
PEMES 6285 (420:285)	Readings in Physical Education
PEMES 6289 (420:289)	Seminar in Physical Education (maximum 12 hours on different topics)
Thesis option (7 hrs.)	
Non-thesis option (11 hrs.)	
Total hours	30

2. Kinesiology Emphasis:

This emphasis is designed for those who wish to concentrate their study in one of the subdisciplines of Kinesiology. The major offers two focus areas. The Exercise Science and Sports Performance Focus is available on the **thesis** and **non-thesis** option. The Coaching and Sport Education Focus is offered as a **non-thesis** option only. **A minimum of 21 hours, exclusive of PEMES 6299 (420:299) credit, must be at the 200/6000-level.**

Exercise Science and Sports Performance Focus:

Required:

Physical Education:	9
PEMES 6251 (420:251)	Biomechanics
PEMES 6253 (420:253)	Advanced Exercise Physiology
PEMES 6260 (420:260)	Laboratory Instrumentation and Test Interpretation
Kinesiology, Allied Health and Human Services, Interdepartmental:	6
KAHHS 6210	Quantitative Methods in KAHHS (or equivalent)

List of Programs by Department

KAHHS 6290	Research Methods for KAHHS	
Physical Education:		6
PEMES 6289 (420:289)	Seminar in Physical Education (on different topics)	
Research:		2 or 6
PEMES 6299 (420:299)	Research	
Thesis option (6 hrs.)		
Non-thesis option (2 hrs.)		
Electives from the following courses:		3 or 7
PEMES 6222 (420:222)	Sport Psychology	
PEMES 6255 (420:255)	Motor Control and Learning	
PEMES 6271 (420:271)	Cardiovascular Physiology	
PEMES 6285 (420:285)	Readings in Physical Education	
PEMES 6289 (420:289)	Seminar in Physical Education (maximum 6 hours in addition to required hours on different topics)	
PEMES 6297 (420:297)	Practicum	
Thesis option (3 hrs.)		
Non-thesis option (7 hrs.)		
Total hours		30

Coaching and Sport Education Focus:

Required:		
Physical Education:		12
PEMES 6222 (420:222)	Sport Psychology	
PEMES 6255 (420:255)	Motor Control and Learning	
PEMES 6273 (420:273)	Contemporary Issues in Physical Education and Athletics	
PEMES 6297 (420:297)	Practicum	
Kinesiology, Allied Health and Human Services, Interdepartmental:		6
KAHHS 6210	Quantitative Methods in KAHHS (or equivalent)	
KAHHS 6290	Research Methods for KAHHS	
Physical Education:		3
Choose one of the following:		
PEMES 6285 (420:285)	Readings in Physical Education	
PEMES 6289 (420:289)	Seminar in Physical Education	
PEMES 6293 (420:293)	Research Experience in Physical Education	
Research:		3
PEMES 6299 (420:299)	Research	
Non-thesis option (3 hrs.)		
Electives from the following courses:		6
PEMES 6253 (420:253)	Advanced Exercise Physiology	
PEMES 6260 (420:260)	Laboratory Instrumentation and Test Interpretation	
PEMES 6271 (420:271)	Cardiovascular Physiology	

PEMES 6285 (420:285)	Readings in Physical Education (maximum 6 hrs. on different topics)	
PEMES 6289 (420:289)	Seminar in Physical Education	
PEMES 6293 (420:293)	Research Experience in Physical Education	
PEMES 6297 (420:297)	Practicum	
PSYCH 3303/5303 (400:154g)	Health Psychology	
PSYCH 3403/5403 (400:142g)	Abnormal Psychology	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion	
POSTSEC 6270 (170:270)	College Student Development	
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 Kinesiology or the Office of the Registrar, which serves as the centralized registry.

Aquatics Specialization Certificate

The purpose of this certificate is to develop and produce quality graduates who have the appropriate skills and certifications to obtain employment in the aquatic profession. Upon completion of the certificate, students will be able to teach Lifeguarding, Water Safety, and be certified as a pool operator through national certifications.

Required:		
Physical Education:		7
PEMES 2011 (420:011)	Fundamental Physical Activities -- Aquatics	
PEMES 2060 (420:060)	Lifeguard Training and Instruction	
PEMES 2061 (420:061)	Water Safety Instruction	
PEMES 3120 (420:120)	Certified Pool Operators	
Leisure, Youth and Human Services:		6
LYHS 2010 (430:010)	Introduction to Leisure, Youth and Human Services	
LYHS 3060 (430:110)	Programming for Leisure, Youth and Human Services	
Electives: 5 hours as approved by advisor, selected from the following:		5
Physical Education:		
PEMES 1A39 (420:A39) (Canoeing, 1 hr.)		
PEMES 1A66 (420:A66) (Skin & Scuba Diving, 2 hrs.)		
PEMES 3168 (420:168)	Assisting in Physical Activity and Wellness	
PEMES 3186 (420:186) (Studies in PE: Coaching Swimming, 2 hrs.)		
PEMES 3186 (420:186) (Studies in Small Craft Safety/Water Rescue, 1 hr.)		

List of Programs by Department

PEMES 3186 (420:186) (Studies in Physical Education: Lifeguard Instructor Training, 1 hr.)	
Leisure, Youth and Human Services:	
LYHS 4115/5115 (430:168g) Areas and Facilities for Leisure, Youth and Human Services	
Total Hours	18

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
- 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
- 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
- Spanish (currently suspended)
- Teaching English in Secondary Schools
- Teaching English to Speakers of Other Languages (TESOL)
- TESOL/Modern Languages

Program Certificates

- French Language Studies
- German Language Studies

- Hispanic Cultures
- International Business, Language and Culture (also listed under College of Business Administration)
- International Commerce
- Post-Colonial and Multicultural Literary Studies
- Spanish Language Studies
- Spanish for Special Purposes
- Teaching English to Speakers of Other Languages

Enrollment Management Policy

Spanish Retrocredit for Heritage Speakers of Spanish: A student who is a heritage speaker of Spanish, and who takes SPAN 3001 (780:101) 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 (780:001) Elementary Spanish I (3 s.h.); SPAN 1002 (780:002) Elementary Spanish II (3 s.h.); SPAN 2001 (780:011) Intermediate Spanish (3 s.h.); SPAN 2002 (780:055) Oral and Written Spanish (3 s.h.); SPAN 3003 (780:103) 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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required:

Complete all of the following:

English:		
ENGLISH 2120 (620:034)	Critical Writing About Literature	3
ENGLISH 2320 (620:042)	Survey of English Literature I: Beginnings to Early Modernity	3
ENGLISH 2340 (620:043)	Survey of English Literature II: Romanticism to Post-Colonialism	3
ENGLISH 2420 (620:053)	Survey of American Literature	3
ENGLISH 2520 (620:040)	Multicultural Literature	3

Complete one of the following:

English:		
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing	
ENGLISH 4740/5740 (620:174g)	Poetry Workshop **	
ENGLISH 4750/5750 (620:175g)	Fiction Workshop **	
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication **	
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants **	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication **	

List of Programs by Department

Journalism:

COMM DM 4650/5650	Advanced Reporting	
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Complete one of the following: 3

TESOL/Applied Linguistics:

TESOL 4110/5110 (630:130g)	The Structure of English	
or TESOL 4120/5120 (630:125g)	Introduction to Linguistics	

Electives in English literature, complete at least two courses from each group (A, B, and C)

Within each group, other appropriate topics may be offered in sections of: *

ENGLISH 3159/4159/5159 (620:159/620:159g)	Experimental course	
ENGLISH 3186/4186/5186 (620:186/620:186g)	"Studies in"	
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____	
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____	
ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____	

Group A: Literature in English to 1800: * 6

ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture	
ENGLISH 4315/5315 (620:113g)	Early Modern Drama	
ENGLISH 4320/5320 (620:116g)	English Renaissance	
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature	
ENGLISH 4370/5370 (620:144g)	Chaucer	
ENGLISH 4375/5375 (620:148g)	Shakespeare	
ENGLISH 4380/5380 (620:147g)	Milton	
ENGLISH 4410/5410 (620:151g)	Early American Literature	

Group B: Literature in English since 1800: * 6

ENGLISH 4330/5330 (620:118g)	British Romantic Writers	
ENGLISH 4335/5335 (620:119g)	British Victorian Writers	
ENGLISH 4340/5340 (620:156g)	British Novel to 1900	
ENGLISH 4345/5345 (620:120g)	British Novel Since 1900	
ENGLISH 4420/5420 (620:121g)	The American Renaissance	
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI	
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914	
ENGLISH 4445/5445 (620:124g)	American Novel Since 1900	

ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry	
ENGLISH 4615/5615 (620:115g)	Modern Drama	

Group C: Literary Theory, Film, Cross-Cultural: * 6

ENGLISH 3144	Genocide in Writing and Film	
ENGLISH 3148	The Holocaust in Literature and Film	
ENGLISH 4110/5110	Environmental Literature	
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature	
ENGLISH 4140/5140 (620:161g)	Literary Criticism	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture	
ENGLISH 4540/5540 (620:157g)	African American Literature	
ENGLISH 4560/5560 (620:158g)	Asian American Literature	
ENGLISH 4577/CAP 3187 (CAP:187)	Blues and Jazz in African American Film and Literature	
ENGLISH 4588/5588	World Literature Seminar: (Topic)	
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction	
ENGLISH 4652/5652 (620:139g)	Film and Literature	
ENGLISH 4660/5660 (620:142g)	Film History	
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism	
ENGLISH 4672/5672 (620:170g)	Electronic Literature	

Electives in English language, literature or writing 3

Total Hours 42

** The following courses have additional prerequisites: ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), and ENGLISH 4775/5775 (620:105g) have prerequisites of MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor. ENGLISH 4740/5740 (620:174g) has prerequisite of ENGLISH 3715/5715 or consent of instructor. ENGLISH 4750/5750 (620:175g) has prerequisite of ENGLISH 3725/5725 or consent of instructor. COMM DM 4650/5650 has prerequisite of COMM DM 2653.

English Major-Teaching

The English-Teaching major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required:

List of Programs by Department

English:

Complete all of the following:

ENGLISH 2120 (620:034)	Critical Writing About Literature	3
ENGLISH 2320 (620:042)	Survey of English Literature I: Beginnings to Early Modernity	3
ENGLISH 2340 (620:043)	Survey of English Literature II: Romanticism to Post-Colonialism	3
ENGLISH 2420 (620:053)	Survey of American Literature	3
ENGLISH 2520 (620:040)	Multicultural Literature	3

Complete one of the following:

English:

ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing	
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication**	
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants**	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication**	

Journalism:

COMM DM 4650/5650	Advanced Reporting	
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Complete one of the following:

TESOL/Applied Linguistics:

TESOL 4110/5110 (630:130g)	The Structure of English	
TESOL 4120/5120 (630:125g)	Introduction to Linguistics	

Complete one of the following:

TESOL/Applied Linguistics:

TESOL 4140/5140 (630:143g)	History of the English Language	
TESOL 4310/5310 (630:195g)	Modern English Grammar and Usage	
TESOL 4510/5510 (630:165g)	Language Development	
TESOL 4710/5710 (630:190g)	Applied English Linguistics for Teachers	

Complete all of the following:

Communication:

COMM 1000 (48C:001)	Oral Communication	3
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English:

ENGLISH 4920/5920 (620:193g)	The Teaching of Writing	3
ENGLISH 4940/5940 (620:165g)	Literature for Young Adults	3
ENGLISH 4980/5980 (620:190g)	The Teaching of English	3

Literacy Education

LITED 4117/5117 (230:117g)	Methods of Teaching Content Literacy at the Middle and Secondary Levels	3
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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 (620:159/620:159g)	Experimental course
ENGLISH 3186/4186/5186 (620:186/620:186g)	"Studies in"
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____
ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____

Group A: Literature in English to 1800: * 3

ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture
ENGLISH 4315/5315 (620:113g)	Early Modern Drama
ENGLISH 4320/5320 (620:116g)	English Renaissance
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature
ENGLISH 4370/5370 (620:144g)	Chaucer
ENGLISH 4375/5375 (620:148g)	Shakespeare
ENGLISH 4380/5380 (620:147g)	Milton
ENGLISH 4410/5410 (620:151g)	Early American Literature

Group B: Literature in English since 1800: * 3

ENGLISH 4330/5330 (620:118g)	British Romantic Writers
ENGLISH 4335/5335 (620:119g)	British Victorian Writers
ENGLISH 4340/5340 (620:156g)	British Novel to 1900
ENGLISH 4345/5345 (620:120g)	British Novel Since 1900
ENGLISH 4420/5420 (620:121g)	The American Renaissance
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4445/5445 (620:124g)	American Novel Since 1900
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4615/5615 (620:115g)	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

List of Programs by Department

ENGLISH 4120/5120 (620:128g)	Images of Women in Literature	
ENGLISH 4140/5140 (620:161g)	Literary Criticism	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture	
ENGLISH 4540/5540 (620:157g)	African American Literature	
ENGLISH 4560/5560 (620:158g)	Asian American Literature	
ENGLISH 4577/CAP 3187 (CAP:187)	Blues and Jazz in African American Film and Literature	
ENGLISH 4588/5588	World Literature Seminar: (Topic)	
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction	
ENGLISH 4652/5652 (620:139g)	Film and Literature	
ENGLISH 4660/5660 (620:142g)	Film History	
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism	
ENGLISH 4672/5672 (620:170g)	Electronic Literature	
Total Hours		48

** The following courses have additional prerequisites: ENGLISH 4765/5765 (620:102g), ENGLISH 4770/5770 (620:104g), and ENGLISH 4775/5775 (620:105g) have prerequisites of MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor. COMM DM 4650/5650 has prerequisite of COMM DM 2653.

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 (620:190g).

Spanish Major

The Spanish major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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.

Required:

Spanish: a minimum of 36 semester hours in Spanish courses more advanced than SPAN 1002 (780:002);

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 (780:101) or SPAN 3050/5050 (780:150g) or SPAN 3006	Advanced Writing Written Communication Spanish for Heritage Speakers
SPAN 3003 (780:103) or SPAN 3051/5051 (780:151g)	Advanced Conversation and Reading Advanced Oral Communication
SPAN 3004 (780:104)	Introduction to Hispanic Literature
SPAN 3007 (780:107)	Introduction to Translation
SPAN 3008/5008 (780:108g)	Introduction to Spanish Linguistics
SPAN 3012 (780:112) or SPAN 3018 (780:118)	Survey of Spanish American Literature Survey of Spanish Literature
Group A: (6 hrs.)	
SPAN 3020 (780:120)	Latin American Culture and Civilization
SPAN 3023 (780:123)	Culture and Civilization of Spain
SPAN 3027 (780:127)	Latinos in the United States
SPAN 4041/5041 (780:141g)	Hispanic Cultures: Film and Multimedia
SPAN 4046/5046 (780:146g)	Topics in Language and Culture: _____
SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture
SPAN 4066/5066 (780:166g)	Topics in Literature and Culture: _____
Group B: (3 hours)	
SPAN 4045/5045 (780:145g)	Translation
SPAN 4047/5047 (780:147g)	Structure of Spanish
SPAN 4062/5062 (780:162g)	Spanish American Literature: _____
SPAN 4063/5063 (780:163g)	Peninsular Literature: _____
SPAN 4064/5064 (780:164g)	Hispanic Literature: _____
Electives in Spanish (9 hours)	
Total hours	36*

* This program begins with SPAN 3001 (780:101) 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 Liberal Arts Core 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

List of Programs by Department

seek suitable substitutions with Spanish-speaking communities in the U.S. with departmental approval.

Required: a minimum of 41 semester hours as follows:

Methods: 11 hours required (Complete all of the following)

LANG 4740/5740	Approaches to Language Learning and Teaching	3
LANG 4750	Assessment in Language Learning	3
LANG 4093 (700:193g)	Technology in Language Education	2
SPAN 4091 (780:191)	Practicum in Teaching Spanish	3

Spanish:

a minimum of 30 semester hours in Spanish courses more advanced than SPAN 1002 (780:002), including:

Required 18 hours (Complete all of the following)

SPAN 3001 (780:101) or SPAN 3050/5050 (780:150g) or SPAN 3006	Advanced Writing Written Communication Spanish for Heritage Speakers	
SPAN 3003 (780:103) or SPAN 3051/5051 (780:151g)	Advanced Conversation and Reading Advanced Oral Communication	
SPAN 3004 (780:104)	Introduction to Hispanic Literature	
SPAN 3007 (780:107)	Introduction to Translation	
SPAN 3008/5008 (780:108g)	Introduction to Spanish Linguistics	
SPAN 3012 (780:112) or SPAN 3018 (780:118)	Survey of Spanish American Literature Survey of Spanish Literature	

Group A: (6 hours)

SPAN 3020 (780:120)	Latin American Culture and Civilization	
SPAN 3023 (780:123)	Culture and Civilization of Spain	
SPAN 3027 (780:127)	Latinos in the United States	
SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture	
SPAN 4041/5041 (780:141g)	Hispanic Cultures: Film and Multimedia	
SPAN 4046/5046 (780:146g)	Topics in Language and Culture: _____	
SPAN 4066/5066 (780:166g)	Topics in Literature and Culture: _____	

Group B: (3 hours)

SPAN 4045/5045 (780:145g)	Translation	
SPAN 4047/5047 (780:147g)	Structure of Spanish	
SPAN 4062/5062 (780:162g)	Spanish American Literature: _____	
SPAN 4063/5063 (780:163g)	Peninsular Literature: _____	
SPAN 4064/5064 (780:164g)	Hispanic Literature: _____	

Elective in Spanish (3 hours)

Total hours 41*

*This program begins with SPAN 3001 (780:101)/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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required:

Literature & Language Core 12

ENGLISH 2520 (620:040)	Multicultural Literature	
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.		
One of the following courses:		
ENGLISH 2120 (620:034)	Critical Writing About Literature	
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	
ENGLISH 4920/5920 (620:193g)	The Teaching of Writing	

Complete all of the following:

TESOL 4110/5110 (630:130g) or TESOL 4120/5120 (630:125g)	The Structure of English Introduction to Linguistics	3
TESOL 4520/5520 (630:163g) or TESOL 4540/5540 (630:160g)	Cultural Aspects of Language and Language Teaching Sociolinguistics	3
TESOL 4340/5340 (630:192g)	English Grammar: Form and Function	3
TESOL 4350/5350 (630:154g)	Phonetics, Phonology, and Language Teaching	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
LANG 4740/5740	Approaches to Language Learning and Teaching	3
TESOL 4760/5760 (630:194g)	Principles and Practices in Language Teaching	3

Electives in TESOL/Applied Linguistics 3

Electives in literature or TESOL/Applied Linguistics 3

Total Hours

Total Hours 42

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.

It is strongly recommended that native speakers of English majoring in TESOL programs demonstrate a basic competence in a foreign language either by obtaining at least a C grade in the second semester of a language course or by passing a proficiency examination.

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 Liberal Arts Core 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.

Required:

Literature & Language Core	9
ENGLISH 2520 (620:040) Multicultural Literature	
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.	
One of the following courses:	3
ENGLISH 2120 (620:034) Critical Writing About Literature	
ENGLISH 4765/5765 Applied Writing: Workplace Communication (620:102g)	
ENGLISH 4775/5775 Applied Writing: Technical Communication (620:105g)	
ENGLISH 4920/5920 The Teaching of Writing (620:193g)	
All of the following:	18
TESOL 4120/5120 Introduction to Linguistics (630:125g)	
or TESOL 4110/5110 The Structure of English (630:130g)	
TESOL 4520/5520 Cultural Aspects of Language and Language Teaching (630:163g)	
or TESOL 4540/5540 Sociolinguistics (630:160g)	
TESOL 4340/5340 English Grammar: Form and Function (630:192g)	
TESOL 4350/5350 Phonetics, Phonology, and Language Teaching (630:154g)	
TESOL 4510/5510 Language Development (630:165g)	
TESOL 4720/5720 Bilingual Education in the Public Schools (630:196g)	
All of the following:	15
LANG 4093 (700:193g) Technology in Language Education	
LANG 4740/5740 Approaches to Language Learning and Teaching	

LANG 4750	Assessment in Language Learning	
TESOL 4760/5760 (630:194g)	Principles and Practices in Language Teaching	
TESOL 4770	Undergraduate TESOL Practicum	
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.

It is strongly recommended that native speakers of English majoring in TESOL programs demonstrate a basic competence in a foreign language either by obtaining at least a C grade in the second semester of a language course or by passing a proficiency examination.

Note: Teaching English to Speakers of Other Languages (TESOL) teaching majors will be waived from INSTTECH 1020 (240:020) Secondary Educational Technology and Design (Professional Education Requirements). A student changing to a different education major from TESOL teaching may be required to complete INSTTECH 1020 (240:020) Secondary Educational Technology and Design or INSTTECH 1031 (240:031) 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 131-132 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 131-132 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.

Required:

Select one of the following:	3
English:	
ENGLISH 2120 (620:034) Critical Writing About Literature	
ENGLISH 4765/5765 Applied Writing: Workplace Communication (620:102g)	
ENGLISH 4775/5775 Applied Writing: Technical Communication (620:105g)	
ENGLISH 4920/5920 The Teaching of Writing (620:193g)	
SPAN 3003 (780:103) Advanced Conversation and Reading	
Pedagogy Component--complete all of the following:	
Language:	
LANG 4093 (700:193g) Technology in Language Education	2-3
LANG 4740/5740 Approaches to Language Learning and Teaching	3
LANG 4750 Assessment in Language Learning	3
TESOL Component--complete all of the following:	

List of Programs by Department

TESOL 4120/5120 (630:125g) or TESOL 4110/5110 (630:130g)	Introduction to Linguistics The Structure of English	3
TESOL 4340/5340 (630:192g)	English Grammar: Form and Function	3
TESOL 4350/5350 (630:154g)	Phonetics, Phonology, and Language Teaching	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4520/5520 (630:163g) or TESOL 4540/5540 (630:160g)	Cultural Aspects of Language and Language Teaching Sociolinguistics	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
TESOL 4760/5760 (630:194g)	Principles and Practices in Language Teaching	3
TESOL 4770	Undergraduate TESOL Practicum	3

Select one language emphasis below (note: the French, German, and Russian Emphases are currently suspended and may not be selected at this time)

Total Hours 35-36

Emphases

French

French Emphasis:

Languages:

LANG 4093 (700:193g)	Technology in Language Education	2-3
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French:

FREN 2001 (720:011)	Intermediate French Language and Culture	3
FREN 2002 (720:051)	Composition	3
FREN 2011 (720:012)	Intermediate French Communication Practice	2
FREN 2012 (720:061)	Conversation	2
FREN 3001/5001 (720:101g)	Advanced Composition	3
FREN 3004 (720:104)	Introduction to French Literature	3
FREN 4005/5005 (720:105g)	Stylistics	3
FREN 4024/5024 (720:124g) or FREN 4025/5025 (720:125g)	French Civilization Contemporary France	3
FREN 4091 (720:191)	Practicum in Teaching French	2

At least one French literature course; and electives in French more advanced than FREN 1002 (720:002) and FREN 1012 (720:004).

German

German Emphasis:

Languages:

LANG 4093 (700:193g)	Technology in Language Education	2-3
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German:

GER 2001 (740:011)	German Language and Culture III	3
GER 2011 (740:012)	German Communication Practice III	2
GER 2002 (740:013)	German Language and Culture IV	3
GER 2012 (740:014)	German Communication Practice IV	2
GER 3001/5001 (740:101g)	German Writing Practice	3
GER 3003/5003 (740:103g)	German Conversation	3
GER 4091 (740:191)	Practicum in Teaching German	2

At least one German literature course and electives in German more advanced than GER 1002 (740:002) and GER 1012 (740:004).

Spanish

Spanish Emphasis

Note: this Emphasis begins with SPAN 2002 (780:055) and will require up to 15 hours of coursework beyond the minimum hours required for this Emphasis if a student does not qualify for enrollment in SPAN 2002 (780:055).

Spanish:

SPAN 2002 (780:055)	Oral and Written Spanish	3
SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g)	Advanced Writing Spanish for Heritage Speakers Written Communication	3

SPAN 3004 (780:104)	Introduction to Hispanic Literature	3
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SPAN 3007 (780:107)	Introduction to Translation	3
SPAN 3008/5008 (780:108g)	Introduction to Spanish Linguistics	2-3

Select one of the following: 3

SPAN 3020 (780:120)	Latin American Culture and Civilization	
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SPAN 3023 (780:123)	Culture and Civilization of Spain	
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SPAN 3027 (780:127)	Latinos in the United States	
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SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture	
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Select one of the following: 2-3

SPAN 4045/5045 (780:145g)	Translation	
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SPAN 4046/5046 (780:146g)	Topics in Language and Culture: _____	
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SPAN 4047/5047 (780:147g)	Structure of Spanish	
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SPAN 4091 (780:191)	Practicum in Teaching Spanish	3
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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 INSTTECH 1020 (240:020) 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 INSTTECH 1020 (240:020) Secondary Educational Technology and Design

or INSTTECH 1031 (240:031) Educational Technology and Design, depending upon the new major.

Minors

English Minor

Choose ONE option - 21 or 24 hours

Film Studies Option

Required:

English:

ENGLISH 2650 (620:035)	Introduction to Film	3
ENGLISH 4652/5652 (620:139g)	Film and Literature	3
ENGLISH 4660/5660 (620:142g)	Film History	3
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism	3
English prefix courses in print or film literature		3-12
Electives in film or media production from departments other than English		0-9
Elective in a studio or performance course in art, music or theatre (including interpreters theatre)		0-3
Total hours		24

Literary Studies Option

Required:

ENGLISH 2120 (620:034)	Critical Writing About Literature	3
At least one of the following courses (3-12 units)		3-12
ENGLISH 2320 (620:042)	Survey of English Literature I: Beginnings to Early Modernity	
ENGLISH 2340 (620:043)	Survey of English Literature II: Romanticism to Post-Colonialism	
ENGLISH 2420 (620:053)	Survey of American Literature	
ENGLISH 2520 (620:040)	Multicultural Literature	
Additional ENGLISH-prefix print literature courses (3-15 units)		15-3
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 (620:128g)	Images of Women in Literature	
ENGLISH 4140/5140 (620:161g)	Literary Criticism	
ENGLISH 4160/5160	Issues in Digital Humanities	
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____	
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____	

ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture
ENGLISH 4315/5315 (620:113g)	Early Modern Drama
ENGLISH 4320/5320 (620:116g)	English Renaissance
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature
ENGLISH 4330/5330 (620:118g)	British Romantic Writers
ENGLISH 4335/5335 (620:119g)	British Victorian Writers
ENGLISH 4340/5340 (620:156g)	British Novel to 1900
ENGLISH 4345/5345 (620:120g)	British Novel Since 1900
ENGLISH 4370/5370 (620:144g)	Chaucer
ENGLISH 4375/5375 (620:148g)	Shakespeare
ENGLISH 4380/5380 (620:147g)	Milton
ENGLISH 4410/5410 (620:151g)	Early American Literature
ENGLISH 4420/5420 (620:121g)	The American Renaissance
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4445/5445 (620:124g)	American Novel Since 1900
ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature
ENGLISH 4577/CAP 3187 (CAP:187)	Blues and Jazz in African American Film and Literature
ENGLISH 4588/5588	World Literature Seminar: (Topic)
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4615/5615 (620:115g)	Modern Drama
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____

List of Programs by Department

option: an ENGLISH-prefix course in film, creative writing, or professional writing (0-3 units) 0-3

option: one of the following courses in TESOL/Applied Linguistics (0-3 units) 0-3

TESOL 4110/5110 (630:130g)	The Structure of English	
TESOL 4120/5120 (630:125g)	Introduction to Linguistics	
TESOL 4140/5140 (630:143g)	History of the English Language	
TESOL 4310/5310 (630:195g)	Modern English Grammar and Usage	
Total hours		21

English Minor-Teaching

Required:

English:

ENGLISH 2120 (620:034)	Critical Writing About Literature	3
ENGLISH 2520 (620:040)	Multicultural Literature	3
ENGLISH 2320 (620:042)	Survey of English Literature I: Beginnings to Early Modernity	3
ENGLISH 2340 (620:043)	Survey of English Literature II: Romanticism to Post-Colonialism	3

ENGLISH 2420 (620:053)	Survey of American Literature	3
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TESOL/Applied Linguistics:

TESOL 4110/5110 (630:130g)	The Structure of English	3
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Literacy Education:

LITED 4117/5117 (230:117g)	Methods of Teaching Content Literacy at the Middle and Secondary Levels	3
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Communication:

COMM 1000 (48C:001)	Oral Communication	3
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Languages and Literatures:

ENGLISH 4940/5940 (620:165g)	Literature for Young Adults	3
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ENGLISH 4980/5980 (620:190g)	The Teaching of English	3
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ENGLISH 4920/5920 (620:193g)	The Teaching of Writing	3
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Total Hours		33
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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 (720:011)	Intermediate French Language and Culture	3
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FREN 2002 (720:051)	Composition	3
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FREN 3001/5001 (720:101g)	Advanced Composition	3
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French electives: Literature, Language, and Culture courses: 6-9

FREN 2011 (720:012)	Intermediate French Communication Practice	
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FREN 3003/5003 (720:103g)	Advanced Conversation	
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FREN 3004 (720:104)	Introduction to French Literature	
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FREN 3011/5011 (720:111g)	Business French	
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FREN 3085/5085 (720:185g)	Introduction to Translation	
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FREN 4005/5005 (720:105g)	Stylistics	
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FREN 4014/5014 (720:114g)	The World of French Business	
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FREN 4021/5021 (720:121g)	Special Topics in Language and Culture	
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FREN 4022/5022 (720:122g)	Special Topics in French Literature	
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FREN 4081/5081 (720:181g)	Advanced Business French	
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Electives in other fields: 3-6

Art:

ARTHIST 1111 (600:040)	Survey of Art History I	
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ARTHIST 1222 (600:041)	Survey of Art History II	
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ARTHIST 4040/5040 (600:145g)	Medieval Art	
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ARTHIST 4302/5302 (600:148g)	Northern Renaissance Art	
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ARTHIST 4310/5310 (600:144g)	17th and 18th Century Art	
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ARTHIST 4320/5320 (600:146g)	19th Century Western Art	
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ARTHIST 4350/5350 (600:151g)	Early 20th Century Art	
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ARTHIST 4362/5362 (600:152g)	Late 20th Century and Contemporary Art	
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Geography:

GEOG 4110/5110 (970:111g)	Cultural Geography	
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History:

HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment	
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HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I	
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HISEUB 4620/5620 (963:174g)	History of Modern France	
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Music:

MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance *	
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MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical *	
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MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries *	
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Philosophy/Religion:		
PHIL 2230	The Age of Reason: Philosophy in the Renaissance and Enlightenment	
PHIL 3330	Death, Sex and the Body: Phenomenology and Foucault	
PHIL/RELS 3340	Existentialism	
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 (720:011). Students should already have taken the following courses or their equivalents: FREN 1001 (720:001), FREN 1011 (720:003), FREN 1002 (720:002), and FREN 1012 (720:004). 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

Required:

Spanish:

SPAN 3001 (780:101)	Advanced Writing	3
or SPAN 3050/5050 (780:150g)	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
3 hours in Spanish courses more advanced than SPAN 3001 (780:101)		3
15-17 hours in Spanish in courses more advanced than SPAN 1002 (780:002)		15-17
Total hours		21-23*

*This program begins with Spanish 3001 and will require up to eighteen 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

Required:

Methods:		11-12
LANG 4740/5740	Approaches to Language Learning and Teaching	
LANG 4750	Assessment in Language Learning	
LANG 4093 (700:193g)	Technology in Language Education	
SPAN 4091 (780:191)	Practicum in Teaching Spanish	
Spanish:		
SPAN 3001 (780:101)	Advanced Writing	3
or SPAN 3050/5050 (780:150g)	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
3 hours in Spanish in courses more advanced than SPAN 3001 (780:101)		3

14-15 hours in Spanish in courses more advanced than SPAN 1002 (780:002)	14-15
Total hours	32*

*This program begins with Spanish 3001 and will require up to eighteen 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 (780:101)	Advanced Writing	3
or SPAN 3050/5050 (780:150g)	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
SPAN 3007 (780:107)	Introduction to Translation	3
SPAN 3008/5008 (780:108g)	Introduction to Spanish Linguistics	3
SPAN 4045/5045 (780:145g)	Translation	3
One course from the following:		3
TESOL 4110/5110 (630:130g)	The Structure of English	
TESOL 4310/5310 (630:195g)	Modern English Grammar and Usage	
TESOL 4340/5340 (630:192g)	English Grammar: Form and Function	
One course from the following:		3
SPAN 3020 (780:120)	Latin American Culture and Civilization	
SPAN 3023 (780:123)	Culture and Civilization of Spain	
SPAN 3027 (780:127)	Latinos in the United States	
SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture	

The minimum passing grade is B-.

Total Hours	18
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Teaching English to Speakers of Other Languages (TESOL) Minor

Required:

Languages

LANG 4740/5740	Approaches to Language Learning and Teaching	3
TESOL/Applied Linguistics:		
TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
or TESOL 4110/5110 (630:130g)	The Structure of English	
TESOL 4350/5350 (630:154g)	Phonetics, Phonology, and Language Teaching	3
TESOL 4540/5540 (630:160g)	Sociolinguistics	3
or TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	
TESOL 4510/5510 (630:165g)	Language Development	3

List of Programs by Department

TESOL 4340/5340 (630:192g)	English Grammar: Form and Function	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
TESOL 4760/5760 (630:194g)	Principles and Practices in Language Teaching	3
Total Hours		24

Teaching English to Speakers of Other Languages (TESOL) Minor-Teaching

Required courses (18 hours)

TESOL 4110/5110 (630:130g)	The Structure of English	3
or TESOL 4120/5120 (630:125g)	Introduction to Linguistics	
TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	3
or TESOL 4540/5540 (630:160g)	Sociolinguistics	
LANG 4740/5740	Approaches to Language Learning and Teaching	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
TESOL 4760/5760 (630:194g)	Principles and Practices in Language Teaching	3
Total Hours		18

Optional Recommended Courses

TESOL 4340/5340 (630:192g)	English Grammar: Form and Function	3
TESOL 4350/5350 (630:154g)	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 - 18 or 21-24 hours

1. Creative Writing Option

English:

ENGLISH 1120 (620:031)	Literature: (topic)	3
or ENGLISH 2120 (620:034)	Critical Writing About Literature	
ENGLISH 2700	Elements of Creative Writing	3
two or three of the following "Craft" courses:		6 - 9
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 3715/5715	Craft of Poetry	
ENGLISH 3725/5725	Craft of Fiction	
1 or 2 of the following "Workshop" courses:		3-6
ENGLISH 4730/5730	Creative Nonfiction Workshop	
ENGLISH 4740/5740 (620:174g)	Poetry Workshop	
ENGLISH 4750/5750 (620:175g)	Fiction Workshop	

Optional elective: a studio or performance course in art, music, or theatre 0-3

Optional elective: a course in editing, writing, translation or literature 0-3

Total: Minimum 18 units

* ENGLISH 4780/5780 (620:107g) has prerequisite of ENGLISH 2770 (620:077) or consent of instructor.

2. Professional Writing Option

English:

ENGLISH 2770 (620:077)	Introduction to Professional Writing	3
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication	3
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	3
ENGLISH 4780/5780 (620:107g)	The Profession of Editing	3
ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing	3
or ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	
ENGLISH 4785/5785 (620:177g)	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 www.grad.uni.edu/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 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 200/6000-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 written and oral comprehensive examination is required for **both the thesis and non-thesis options**. In addition, students pursuing the **non-thesis** option are required to submit a Graduate Student Portfolio and complete an approved research paper. See the English Graduate Coordinator for details.

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. Course work 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, non-native English speakers must have achieved a Test of English as a Foreign Language (TOEFL) score of 600 (paper-based)/250 (computer-based), or the equivalent IELTS score, in order to demonstrate their proficiency in English. 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 (620:201)	Introduction to Graduate Study in English	3
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Electives, including the required literature electives, are planned with the English Graduate Coordinator; they must include 12 hours of 200/6000-level courses in addition to ENGLISH 6100 (620:201) (including 6 hours of ENGLISH 6299 (620:299) required for thesis option; no more than 3 hours of ENGLISH 6299 (620:299) may be used for the non-thesis option)

English Literature electives selected from the following: 21

ENGLISH 4110/5110	Environmental Literature
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
ENGLISH 4140/5140 (620:161g)	Literary Criticism
ENGLISH 4160/5160	Issues in Digital Humanities
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____

ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture
ENGLISH 4315/5315 (620:113g)	Early Modern Drama
ENGLISH 4320/5320 (620:116g)	English Renaissance
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature
ENGLISH 4330/5330 (620:118g)	British Romantic Writers
ENGLISH 4335/5335 (620:119g)	British Victorian Writers
ENGLISH 4340/5340 (620:156g)	British Novel to 1900
ENGLISH 4345/5345 (620:120g)	British Novel Since 1900
ENGLISH 4370/5370 (620:144g)	Chaucer
ENGLISH 4375/5375 (620:148g)	Shakespeare
ENGLISH 4380/5380 (620:147g)	Milton
ENGLISH 4410/5410 (620:151g)	Early American Literature
ENGLISH 4420/5420 (620:121g)	The American Renaissance
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4445/5445 (620:124g)	American Novel Since 1900
ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4588/5588	World Literature Seminar: (Topic)
ENGLISH 4615/5615 (620:115g)	Modern Drama
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____

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ENGLISH 6110 (620:204)	Topics in Literary Criticism
ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice
ENGLISH 6140 (620:208)	Contemporary Literary Theory
ENGLISH 6188 (620:284)	Seminar in Literature
ENGLISH 6310 (620:220)	Medieval English Literature
ENGLISH 6320 (620:221)	English Renaissance Literature
ENGLISH 6330 (620:223)	Restoration and 18th Century English Literature
ENGLISH 6340	19th Century English Literature
ENGLISH 6350 (620:226)	Modern English Literature
ENGLISH 6420 (620:231)	American Romantic Literature
ENGLISH 6430 (620:232)	Issues in American Literature, 1865-1914
ENGLISH 6450 (620:234)	Modern American Literature
ENGLISH 6540 (620:260)	Contemporary Literature
English electives selected from the following:	
ENGLISH 3710/5710	Craft of Creative Nonfiction
ENGLISH 3715/5715	Craft of Poetry
ENGLISH 3725/5725	Craft of Fiction
ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing
ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice
ENGLISH 4110/5110	Environmental Literature
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
ENGLISH 4140/5140 (620:161g)	Literary Criticism
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____
ENGLISH 4160/5160	Issues in Digital Humanities
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture
ENGLISH 4315/5315 (620:113g)	Early Modern Drama
ENGLISH 4320/5320 (620:116g)	English Renaissance
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature
ENGLISH 4330/5330 (620:118g)	British Romantic Writers
ENGLISH 4335/5335 (620:119g)	British Victorian Writers
ENGLISH 4340/5340 (620:156g)	British Novel to 1900
ENGLISH 4345/5345 (620:120g)	British Novel Since 1900
ENGLISH 4370/5370 (620:144g)	Chaucer
ENGLISH 4375/5375 (620:148g)	Shakespeare

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ENGLISH 4380/5380 (620:147g)	Milton
ENGLISH 4410/5410 (620:151g)	Early American Literature
ENGLISH 4420/5420 (620:121g)	The American Renaissance
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4445/5445 (620:124g)	American Novel Since 1900
ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature
ENGLISH 4588/5588	World Literature Seminar: (Topic)
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4615/5615 (620:115g)	Modern Drama
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____
ENGLISH 4730/5730	Creative Nonfiction Workshop
ENGLISH 4740/5740 (620:174g)	Poetry Workshop
ENGLISH 4750/5750 (620:175g)	Fiction Workshop
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication
ENGLISH 4780/5780 (620:107g)	The Profession of Editing
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers
ENGLISH 4790/5790 (620:197g)	Professional Writing Practicum: _____, Professional Writing Practicum: Workplace Communication
ENGLISH 4990/5990 (620:195g)	Seminar in Teaching College Writing
ENGLISH 6110 (620:204)	Topics in Literary Criticism

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ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice
ENGLISH 6140 (620:208)	Contemporary Literary Theory
ENGLISH 6188 (620:284)	Seminar in Literature
ENGLISH 6310 (620:220)	Medieval English Literature
ENGLISH 6320 (620:221)	English Renaissance Literature
ENGLISH 6340	19th Century English Literature
ENGLISH 6350 (620:226)	Modern English Literature
ENGLISH 6420 (620:231)	American Romantic Literature
ENGLISH 6430 (620:232)	Issues in American Literature, 1865-1914
ENGLISH 6450 (620:234)	Modern American Literature
ENGLISH 6540 (620:260)	Contemporary Literature
ENGLISH 6720 (620:270)	Graduate Creative Writing Workshop
ENGLISH 6980 (620:291)	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 (620:201)	Introduction to Graduate Study in English	3
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English electives: 27

These electives are planned with the English Graduate Coordinator: must include 12 hours of 200/6000-level courses in addition to ENGLISH 6100 (620:201) (including 6 hours of ENGLISH 6299 (620:299) required for the thesis option; no more than 3 hours of ENGLISH 6299 (620:299) 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 (620:163g)	Theory and Practice of Writing
ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice
ENGLISH 4110/5110	Environmental Literature
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
ENGLISH 4140/5140 (620:161g)	Literary Criticism
ENGLISH 4160/5160	Issues in Digital Humanities
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture

ENGLISH 4315/5315 (620:113g)	Early Modern Drama
ENGLISH 4320/5320 (620:116g)	English Renaissance
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature
ENGLISH 4330/5330 (620:118g)	British Romantic Writers
ENGLISH 4335/5335 (620:119g)	British Victorian Writers
ENGLISH 4340/5340 (620:156g)	British Novel to 1900
ENGLISH 4345/5345 (620:120g)	British Novel Since 1900
ENGLISH 4370/5370 (620:144g)	Chaucer
ENGLISH 4375/5375 (620:148g)	Shakespeare
ENGLISH 4380/5380 (620:147g)	Milton
ENGLISH 4410/5410 (620:151g)	Early American Literature
ENGLISH 4420/5420 (620:121g)	The American Renaissance
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4445/5445 (620:124g)	American Novel Since 1900
ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature
ENGLISH 4588/5588	World Literature Seminar: (Topic)
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4615/5615 (620:115g)	Modern Drama
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____
ENGLISH 4730/5730	Creative Nonfiction Workshop
ENGLISH 4740/5740 (620:174g)	Poetry Workshop

List of Programs by Department

ENGLISH 4750/5750 (620:175g)	Fiction Workshop
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication
ENGLISH 4780/5780 (620:107g)	The Profession of Editing
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers
ENGLISH 4790/5790 (620:197g)	Professional Writing Practicum: _____, Professional Writing Practicum: Workplace Communication
ENGLISH 4990/5990 (620:195g)	Seminar in Teaching College Writing
ENGLISH 6110 (620:204)	Topics in Literary Criticism
ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice
ENGLISH 6140 (620:208)	Contemporary Literary Theory
ENGLISH 6188 (620:284)	Seminar in Literature
ENGLISH 6310 (620:220)	Medieval English Literature
ENGLISH 6320 (620:221)	English Renaissance Literature
ENGLISH 6340	19th Century English Literature
ENGLISH 6350 (620:226)	Modern English Literature
ENGLISH 6420 (620:231)	American Romantic Literature
ENGLISH 6430 (620:232)	Issues in American Literature, 1865-1914
ENGLISH 6450 (620:234)	Modern American Literature
ENGLISH 6540 (620:260)	Contemporary Literature
ENGLISH 6720 (620:270)	Graduate Creative Writing Workshop
ENGLISH 6980 (620:291)	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 (620:201)	Introduction to Graduate Study in English	3
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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
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ENGLISH 4740/5740 (620:174g)	Poetry Workshop
ENGLISH 4750/5750 (620:175g)	Fiction Workshop
ENGLISH 6720 (620:270)	Graduate Creative Writing Workshop

Research:

ENGLISH 6299 (620:299)	Research	6
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English Literature electives (planned with graduate coordinator) must include 6 hours of 200/6000-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 (620:174g), ENGLISH 4750/5750 (620:175g), and ENGLISH 6720 (620:270).

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 Spanish

This program is currently suspended.

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 any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Admission requirements: for M.A. admission and Graduate Assistant applications the following items are required:

1. major or equivalent in the language of study
2. two letters of recommendation
3. statement of purpose purpose written in Spanish
4. 550 TOEFL score or higher

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 emphasis is available on both the **thesis** and **non-thesis** options. A **minimum of 32 semester hours** is required for either option. A **minimum of 18 hours of 200/6000-level course work, including 6 hours of SPAN 6299 (780:299), is required for the thesis option. A minimum of 15 hours of 200/6000-level course work is required for the non-thesis option, including no more than 3 hours of SPAN 6299 (780:299)**. In the case of the non-thesis option, a research paper must be approved by the student's committee and filed with the

Department of Languages and Literatures before the comprehensive examinations may be taken. Successful completion of a final written and oral comprehensive examination is required for **both the thesis and non-thesis options**.

This program is currently suspended.

Languages:

LANG 6095 (700:295)	Research Methods in Culture and Literature	3
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Spanish:

Literature courses: must include one 200/6000-level course in Spanish literature and one 200/6000-level course in Spanish-American literature	12
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Linguistics, grammar and/or translation courses	8
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Culture and civilization courses	3
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Electives (6 hours of SPAN 6299/780:299 required for thesis option)	6
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Total Hours	32
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No more than 6 hours of translation SPAN 4045/5045 (780:145g) and/or SPAN 6045 (780:245) may be applied toward this major.

Spanish Teaching Emphasis

This program is offered on the **non-thesis** option only. A **minimum of 34 semester hours** is required, of which a **minimum of 16 hours must be at the 200/6000-level**; a minimum of 20 credits must be courses taught in Spanish.

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.

Successful completion of a final written and oral comprehensive examination is required. A research paper, written on an aspect of methodology, must be approved by the student's committee and filed with the Department of Languages and Literatures before comprehensive examinations may be taken.

Prerequisites: Student must hold a valid teaching license and must have documentation of successful teaching experience. The student who has not completed SPAN 3001 (780:101) SPAN 3003 (780:103), and either LANG 4090/5090 or LANG 4740/5740, or equivalents, before entering the program must add these courses to the requirements listed below.

Required:

Educational Psychology:

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology (or equivalent)	3
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Measurement and Research:

MEASRES 6205 (250:205)	Educational Research (or equivalent)	3
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Spanish:

Methods courses, one of which must be methodological topic in:	6
SPAN 6289 (780:289)	Seminar:

SPAN 6286 ("Studies in")

Linguistics, grammar and/or translation courses, one of which must be at the 200/6000-level, and one of which is language-specific	6
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Culture and civilization courses	6
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Must be taught in Spanish, with at least one course at 200/6000-level

Literature courses	8
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Must be taught in Spanish, with at least two courses at 200/6000-level

Electives in Spanish	2
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Total Hours	34
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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 www.grad.uni.edu/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 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 200/6000-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 (620:201)	Introduction to Graduate Study in English	3
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ENGLISH 6980 (620:291)	Seminar in the Teaching of English	3
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English electives in English/Language Arts pedagogy *	12
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English electives in literature *	12
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List of Programs by Department

English elective in English/Language Arts pedagogy or literature	3
or	
ENGLISH 6299 (620:299) 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 www.grad.uni.edu/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 **thesis** and **non-thesis** options, and requires a **minimum of 33 semester hours** for the **non-thesis option**, and **39 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 200/6000-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.

Students are required to meet with their advisors for a program approval interview. Students should complete this interview during the first semester of their course work. The department may require a student to complete course work in addition to the minimum of 33 semester hours required for a master's degree. In such cases, these hours will be specified at the time of the interview.

Required:

Languages:

LANG 4740/5740	Approaches to Language Learning and Teaching	3
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TESOL/Applied Linguistics:

TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
or TESOL 4110/5110 (630:130g)	The Structure of English	
TESOL 4350/5350 (630:154g)	Phonetics, Phonology, and Language Teaching	3
TESOL 4540/5540 (630:160g)	Sociolinguistics	3
or TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	
TESOL 4340/5340 (630:192g)	English Grammar: Form and Function	3

TESOL 4760/5760 (630:194g)	Principles and Practices in Language Teaching	3
TESOL 6100 (630:201)	Introduction to Graduate Study in TESOL/Applied Linguistics	3
TESOL 6740 (630:240)	Computer Assisted Language Learning (CALL)	3
or TESOL 6760 (630:295)	Language Testing	
TESOL 6289 (630:289)	Seminar in Language	3
TESOL 6510 (630:292)	Second Language Acquisition	3
TESOL 6297 (630:297)	TESOL Practicum	3
Total Hours		33

Students choosing the thesis option are required to complete 6 hours of TESOL 6299, which is added to the above required courses, 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. International students must have achieved a Test of English as a Foreign Language (TOEFL) score of 600 (paper-based)/250 (computer-based), or the IELTS equivalent, in order to demonstrate their proficiency in English. 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.

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.

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 www.grad.uni.edu/admission.

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 200/6000-level**. An approved research paper is also required. The student who has not completed FREN 3001/5001 (720:101g) / GER 3001/5001 (740:101g) / SPAN 3001 (780:101) and either TESOL 4120/5120 (630:125g) or TESOL 4110/5110 (630:130g) (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 (630:192g)	English Grammar: Form and Function	3
TESOL 4760/5760 (630:194g)	Principles and Practices in Language Teaching	3
TESOL 6100 (630:201)	Introduction to Graduate Study in TESOL/Applied Linguistics	3
TESOL 6740 (630:240)	Computer Assisted Language Learning (CALL)	3
or TESOL 6289 (630:289)	Seminar in Language	
or TESOL 6760 (630:295)	Language Testing	
TESOL 6510 (630:292)	Second Language Acquisition	3
TESOL 6297 (630:297)	TESOL Practicum	3
Electives: One of the following language emphases for a minimum total emphasis of 15 hours		15
Total Hours		33

French Emphasis:

Languages:		
LANG 4740/5740	Approaches to Language Learning and Teaching	3
or LANG 6090 (700:290)	Theory and Practice in Foreign Language Teaching	
French:		
FREN 4024/5024 (720:124g)	French Civilization	3
or FREN 4025/5025 (720:125g)	Contemporary France	
Select one of the following:		3
FREN 6003 (720:203)	Structure of French	
FREN 6070 (720:270)	French Literature in Review I	
FREN 6071 (720:271)	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	Approaches to Language Learning and Teaching	3
or LANG 6090 (700:290)	Theory and Practice in Foreign Language Teaching	
German:		
GER 4050/5050 (740:150g)	Contemporary Germany and Austria	3
Plus courses approved by the graduate German advisor.		9
Total Hours		15

Spanish Emphasis:

Languages:		
LANG 4740/5740	Approaches to Language Learning and Teaching	3
or LANG 6090 (700:290)	Theory and Practice in Foreign Language Teaching	
Spanish: one graduate course in each of the following areas:		6
Culture and civilization		
Translation, Grammar or Linguistics		
Plus courses approved by the graduate Spanish advisor.		6
Total Hours		15

Note: International students must have achieved a Test of English as a Foreign Language (TOEFL) score of 600 (paper-based)/250 (computer-based), or the IELTS (International English Language Testing System) equivalent, in order to demonstrate their proficiency in English. 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.

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 French Language Studies

Required:

15 semester hours of course work, selected from the following:		15
French:		
FREN 1001 (720:001)	Introduction to French Language and Culture I	
FREN 1002 (720:002)	Introduction to French Language and Culture II	
FREN 1011 (720:003)	French Communication Practice I	
FREN 1012 (720:004)	French Communication Practice II	
FREN 2001 (720:011)	Intermediate French Language and Culture	
FREN 2011 (720:012)	Intermediate French Communication Practice	
FREN 2002 (720:051)	Composition	
FREN 2012 (720:061)	Conversation	
FREN 3001/5001 (720:101g)	Advanced Composition	
FREN 3002 (720:102)	French to English Translation	

List of Programs by Department

FREN 3003/5003 (720:103g)	Advanced Conversation
Total Hours	15

A written and/or oral proficiency examination at the discretion of the certificate committee.

Certificate in German Language Studies

Required:

15 semester hours of course work, selected from the following:	15
German:	

GER 1001 (740:001)	German Language and Culture I
GER 1002 (740:002)	German Language and Culture II
GER 1011 (740:003)	German Communication Practice I
GER 1012 (740:004)	German Communication Practice II
GER 2001 (740:011)	German Language and Culture III
GER 2011 (740:012)	German Communication Practice III
GER 2002 (740:013)	German Language and Culture IV
GER 2012 (740:014)	German Communication Practice IV
GER 3001/5001 (740:101g)	German Writing Practice
GER 3003/5003 (740:103g)	German Conversation
GER 3004/5004 (740:104g)	Introduction to German Literature
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 (780:055)	Oral and Written Spanish *
SPAN 3001 (780:101)	Advanced Writing
or SPAN 3050/5050 (780:150g)	Written Communication
or SPAN 3006	Spanish for Heritage Speakers
Spanish:	
9 hours of course work, selected from the following:	9
SPAN 3020 (780:120)	Latin American Culture and Civilization
SPAN 3023 (780:123)	Culture and Civilization of Spain
SPAN 3027 (780:127)	Latinos in the United States
SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture
SPAN 4041/5041 (780:141g)	Hispanic Cultures: Film and Multimedia

SPAN 4046/5046 (780:146g)	Topics in Language and Culture: _____
SPAN 4066/5066 (780:166g)	Topics in Literature and Culture: _____
Total Hours	15

* SPAN 2002 (780:055) has prerequisite of SPAN 2001 (780:011) or equivalent.

Certificate in International Business, Culture, and Language

The Certificate in International Business, Culture, and Language is available to College of Business Administration 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 UNIBusiness 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 (150:189)	International Management	3
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Cultural and Political Perspectives

Select one of the following:	3
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Political Science:

POL INTL 1024 (943:024)	International Relations *	3
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Geography:

GEOG 1110 (970:040)	World Geography *	3
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Sociology:

SOC 1000 (980:001)	Introduction to Sociology *	3
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Anthropology:

ANTH 1002 (990:011)	Introduction to Cultural Anthropology *	3
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Foreign Language and History

Select one of the language options below:	5-24
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Chinese (8-18 hours)

CHIN 1001 (710:001)	Elementary Chinese I **	4-5
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CHIN 1002 (710:002)	Elementary Chinese II **	4-5
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CHIN 1011 (710:011)	Intermediate Chinese I	4-5
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Select one of the following:

RELS 2100	Great Living Religions: Hinduism and Buddhism	3
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RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	3
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HUM 3124 (680:124)	China *	3
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POL COMP 3162 (944:162)	Politics of East Asia	3
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HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History	3
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HISNW 4860/5860 (964:187g)	Modern Chinese History	3
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SOC 3102/5102 (980:168g)	Culture, Disease, and Healing	3
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List of Programs by Department

French (7-24 hours)

FREN 1001 (720:001)	Introduction to French Language and Culture I **	3
FREN 1002 (720:002)	Introduction to French Language and Culture II **	3
FREN 1011 (720:003)	French Communication Practice I **	2
FREN 1012 (720:004)	French Communication Practice II **	2
FREN 2001 (720:011)	Intermediate French Language and Culture	3
FREN 2011 (720:012)	Intermediate French Communication Practice	2
Select one of the following:		
FREN 2002 (720:051)	Composition	3
FREN 2012 (720:061)	Conversation	2-3
HISEUB 4620/5620 (963:174g)	History of Modern France	3

German (7-18 hours)

GER 1001 (740:001)	German Language and Culture I **	3
GER 1002 (740:002)	German Language and Culture II **	3
GER 1011 (740:003)	German Communication Practice I **	2
GER 1012 (740:004)	German Communication Practice II **	2
GER 2001 (740:011)	German Language and Culture III	3
GER 2011 (740:012)	German Communication Practice III	2
Select one of the following:		
GER 2002 (740:013)	German Language and Culture IV	3
GER 2012 (740:014)	German Communication Practice IV	2
GER 1120 (740:031)	Introduction to German Literature in Translation *	3
ENGLISH/CAP 3148	The Holocaust in Literature and Film	3
HISEUA 4460/5460 (962:171g)	History of Germany to 1648	3
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648	3

Spanish (7-20 hours)

SPAN 1001 (780:001)	Elementary Spanish I **	3
SPAN 1002 (780:002)	Elementary Spanish II **	3
SPAN 2001 (780:011)	Intermediate Spanish	3
Select one of the following:		
HUM 3123 (680:123)	Latin America *	3
SPAN 2053 (780:053)	Spanish for Special Purposes:	2-3
SPAN 2002 (780:055)	Oral and Written Spanish	3

SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture	3-5
POL COMP 3167 (944:167)	Latin American Politics	3
HISNW 4720/5720 (964:180g)	Modern Latin American History	3

English (9 hours)

Select one of the following:

HISUS 1023	History of the United States	3
POL AMER 1014 (942:014)	Introduction to American Politics *	3

Select two of the following:

ENGLISH 2520 (620:040)	Multicultural Literature	3
ENGLISH 2340 (620:043)	Survey of English Literature II: Romantics to Post-Colonialism	3
ENGLISH 2420 (620:053)	Survey of American Literature	3
ENGLISH 4420/5420 (620:121g)	The American Renaissance	3
ENGLISH 4445/5445 (620:124g)	American Novel Since 1900	3
ENGLISH 4410/5410 (620:151g)	Early American Literature	3
HISUS 4235/5235 (961:120g)	Popular Culture in the United States	3
HISUS 4275/5275 (961:142g)	United States Constitutional History	3
HISUS 4240/5240 (961:144g)	History of American Thought	3
HISUS 4250/5250 (961:145g)	Religion in America	3
HISUS 4265/5265 (961:150g)	Society and Culture in the United States	3

* Credit hours in these Liberal Arts Core courses may be applied toward the completion of the Liberal Arts Core 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.

*** A student's native language cannot be used to meet the language requirement for the certificate.

Summary

1. International Business	3
2. Cultural and Political Perspectives	3
3. Foreign Language and History *	5-24
Chinese: 8-18 hours	
French: 7-24 hours	
German: 7-18 hours	
Spanish: 7-20 hours	
English: 9 hours	
Total Hours	11-30

List of Programs by Department

* A student's native language cannot be used to meet the requirements of this certificate.

Certificate in International Commerce

Required: A major or minor in a modern language.

The following courses:

Marketing:

MKTG 2110 (130:101)	Principles of Marketing	3
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Management:

MGMT 3153 (150:153)	Organizational Management	3
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MGMT 3189 (150:189)	International Management	3
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Advanced writing course:		3
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SPAN 3001 (780:101)	Advanced Writing	
or SPAN 3006	Spanish for Heritage Speakers	
or FREN 3001/5001 (720:101g)	Advanced Composition	

Economics:

ECON 1031 (920:024)	Introduction to Economics	3
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Elective course in business, culture and civilization, or other approved course, in the respective modern language		3
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Total Hours		18
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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:

Languages and Literatures:		3
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ENGLISH 2520 (620:040)	Multicultural Literature	
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Electives:		9-12
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(To include at least 9 hours of 1xx-level^ courses)

Languages and Literatures:

ENGLISH 4120/5120 (620:128g)	Images of Women in Literature	
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ENGLISH 4540/5540 (620:157g)	African American Literature	
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ENGLISH 4560/5560 (620:158g)	Asian American Literature	
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TESOL/Applied Linguistics:

TESOL 4540/5540 (630:160g)	Sociolinguistics	
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French:

FREN 4028/5028 (720:128g)	Special Topics in Francophone Literature	
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Spanish:

SPAN 3004 (780:104)	Introduction to Hispanic Literature	
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SPAN 3020 (780:120)	Latin American Culture and Civilization	
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SPAN 3027 (780:127)	Latinos in the United States	
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Total hours		15
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^ See course descriptions for 4-digit numbers associated with these 100-level courses.

Certificate in Spanish Language Studies

Required:

12 semester hours of course work, selected from the following: 12

Spanish:

SPAN 2001 (780:011)	Intermediate Spanish
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SPAN 2002 (780:055)	Oral and Written Spanish
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SPAN 2053 (780:053)	Spanish for Special Purposes:
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SPAN 3000 (780:100)	Teaching Spanish in the Elementary School
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SPAN 3001 (780:101)	Advanced Writing
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or SPAN 3050/5050 (780:150g)	Written Communication
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or SPAN 3006	Spanish for Heritage Speakers
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SPAN 3002/5002 (780:102g)	Advanced Spanish for Special Purposes: _____
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SPAN 3003 (780:103)	Advanced Conversation and Reading
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SPAN 3004 (780:104)	Introduction to Hispanic Literature
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SPAN 3179 (Cooperative Education)	
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Total Hours	12
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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 (780:011)

Intermediate Spanish is required.

Required:

Spanish: 7-9

SPAN 2053 (780:053)	Spanish for Special Purposes: *
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SPAN 3001 (780:101)	Advanced Writing
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or SPAN 3050/5050 (780:150g)	Written Communication
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or SPAN 3006	Spanish for Heritage Speakers
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SPAN 3002/5002 (780:102g)	Advanced Spanish for Special Purposes: *
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Electives:

Select one course from each of the following two categories: 5-6

Group A:

Spanish:

SPAN 3007 (780:107)	Introduction to Translation
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SPAN 3008/5008 (780:108g)	Introduction to Spanish Linguistics
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Group B:

Humanities:

HUM 3123 (680:123)	Latin America
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Spanish:

SPAN 3020 (780:120)	Latin American Culture and Civilization
SPAN 3023 (780:123)	Culture and Civilization of Spain
SPAN 3027 (780:127)	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	Approaches to Language Learning and Teaching	3
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TESOL/Applied Linguistics:

TESOL 4110/5110 (630:130g) or TESOL 4120/5120 (630:125g)	The Structure of English Introduction to Linguistics	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4520/5520 (630:163g) or TESOL 4540/5540 (630:160g)	Cultural Aspects of Language and Language Teaching Sociolinguistics	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
TESOL 4760/5760 (630:194g)	Principles and Practices in Language Teaching	3

Total Hours	18
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Department of Management

(College of Business Administration)

www.cba.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.)

- Management
- Management Information Systems
- Supply Chain Management
- Business Teaching

Minors

- General Business Concepts
- Organizational Leadership

Note: Students majoring in Management, Management Information Systems (MIS), Supply Chain Management and Business Teaching must satisfy the College of Business Administration (CBA) admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from UNIBusiness Advising in the College of Business Administration or at

<http://business.uni.edu/web/pages/currentstudents/advisingcenter-collegepolicies.cfm>.

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, Pre-MIS, or Pre-Business Teaching majors may enroll in lower division (below 100/3000-level) business courses only. Enrollment in upper division (100/3000/4000-level) business courses and MKTG 2110 (130:101) requires satisfactory completion of the CBA admission requirements and any course prerequisites.

Management, MIS, Supply Chain Management and Business Teaching majors may declare a double major and/or major and minor within the College of Business Administration, subject to regulations imposed by those CBA departments affected. Management, MIS, Supply Chain Management and Business Teaching majors minoring within the CBA 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, Supply Chain Management or Business Teaching from the College of Business Administration, a student must earn at least 50% (i.e. 60 cr. hrs.) of the business credit hours required for the major at UNI. Students must take at least 50% of the course work required for the degree outside the College of Business Administration. Up to nine hours of economics (excluding ECON 1021 (920:020)), and six hours of statistics may be counted outside the College of Business Administration. 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/120:xxx, MKTG xxxx/130:xxx, MGMT xxxx/150:xxx, FIN xxxx/160:xxx, and ECON xxxx/920:xxx 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 Management Department may impose additional admission requirements for students wishing to declare a minor or a second CBA major. Eligibility to declare a minor or a second CBA major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNIBusiness Advising (CBB 5) in the College of Business Administration.

Bachelor of Arts Degree Programs

Management Major

The Management major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required business core

Business Administration, Interdepartmental:		
BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professionals in Training	0
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
ACCT 2130 (120:031)	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
MGMT 3154 (150:154)	Operations Management	3
MGMT 4175 (150:175)	Business Policy and Strategy	3
Finance:		
FIN 3130/5130 (160:151g)	Corporate Finance	3
Economics:		
ECON 1011 (920:070)	Statistics for Business Analytics *	3
ECON 1021 (920:020)	Decision Analytics *	3
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
Required		
Management:		
MGMT 3163 (150:163)	Managerial Problem Solving	3
MGMT 3965/5965 (150:165g)	Organizational Behavior	3
Emphasis requirements (choose one area of emphasis)		12
Total Hours		57

* ECON 1021 (920:020) and ECON 1011 (920:070) have a prerequisite of STAT 1772 (800:072) or equivalent. STAT 1772 (800:072) will satisfy Category 1C of the Liberal Arts Core.

** The rest of the business core must be completed before MGMT 4175 (150:175) is taken.

Emphases

Business Administration

Required

Choose three Management electives:		9
MGMT 3101 (150:101)	Business Law	
MGMT 3145 (150:145)	Information Systems Applications	
MGMT 3155	Human Resource Management	
MGMT 3187 (150:187)	Organization Structure and Design	
MGMT 3189 (150:189)	International Management	
MGMT 3905/5905 (150:105g)	Employment and Labor Law	
MGMT 3966/5966 (150:166g)	Staffing and Employee Development	
MGMT 3974/5974 (150:174g)	Business, Ethics, and Society	
MGMT 3984/5984	Dynamics of Negotiations	

Choose one other elective:

Upper-level (100/3000/4000-level or ECON 2132 (920:113)) course from Accounting, Economics, Finance, Marketing (exceptions listed below) OR another 3-hour Management elective from above.

Exceptions:

Accounting:	
ACCT 3055 (120:144)	VITA: Individual Income Tax Preparation
ACCT 3090 (120:169)	Internship -- Accounting
ACCT 3092/5092 (120:170g)	Special Problems -- Accounting
ACCT 3094 (120:185)	Individual Readings
ACCT 3179 (120:179)	Cooperative Education in Accounting
ACCT 4080 (120:148)	FAR Review
ACCT 4084 (120:150)	Auditing Review

Economics:

ECON 3077 (920:177)	Internship in Community Economic Development
ECON 3179 (920:179)	Cooperative Education in Economics
ECON 4380/5380 (920:181g)	Directed Research in Economics

Finance:

FIN 3080 (160:170)	Special Problems
FIN 3179 (160:179)	Cooperative Education in Finance

Marketing:

MKTG 3179 (130:179)	Cooperative Education in Marketing
MKTG 3583/5583 (130:170g)	Entrepreneurship
MKTG 4198 (130:198)	Independent Study
MKTG 4595 (130:169)	Internship-Marketing

List of Programs by Department

Human Resource

Required

Management:		
MGMT 3155	Human Resource Management	3
MGMT 3905/5905 (150:105g)	Employment and Labor Law	3
MGMT 3966/5966 (150:166g)	Staffing and Employee Development	3
MGMT 3968/5968 (150:168g)	Compensation and Performance Management Systems	3

Organizational Leadership

Required:

Management:		
MGMT 3183	Leadership Skills	3
MGMT 3185	Project Management	3

Plus 6 hours to be selected from the following courses: 6

MGMT 3145 (150:145)	Information Systems Applications	
MGMT 3155	Human Resource Management	
MGMT 3187 (150:187)	Organization Structure and Design	
MGMT 3189 (150:189)	International Management	
MGMT 3974/5974 (150:174g)	Business, Ethics, and Society	
MGMT 3984/5984	Dynamics of Negotiations	

Marketing:		
MKTG 3583/5583 (130:170g)	Entrepreneurship	

Footnote: Management majors are allowed to double major with either Supply Chain Management or Management Information Systems with five additional classes (i.e., only one class is allowed to double count for both majors).

Management Information Systems Major

The Management Information Systems major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required business core

Business Administration, Interdepartmental:		
BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professionals in Training	0
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
ACCT 2130 (120:031)	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing *	3
Management:		

MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
MGMT 3154 (150:154)	Operations Management *	3
MGMT 4175 (150:175)	Business Policy and Strategy **	3

Finance:

FIN 3130/5130 (160:151g)	Corporate Finance	3
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Economics:

ECON 1011 (920:070)	Statistics for Business Analytics *	3
ECON 1021 (920:020)	Decision Analytics *	3
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3

Required courses

Management:		
MGMT 2032 (150:032)	Business Application Development I	3
MGMT 2034 (150:034)	Business Application Development II	3
MGMT 3112 (150:112)	Systems Analysis and Design	3
MGMT 3120 (150:120)	Database Management and Theory	3
MGMT 3125 (150:125)	Information Systems Development Projects	3
MGMT 3140 (150:140)	Information Systems Management	3

Electives (technical): select one of the following: 3

Accounting:		
ACCT 3140 (120:136)	Accounting Information Systems	

Management:		
MGMT 3127 (150:127)	Decision Support, Analytics and Business Intelligence	
MGMT 3128 (150:128)	Business Application Development III	

Computer Science:

CS 3610/5610 (810:161g)	Artificial Intelligence (without lab)	
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Total Hours 60

- * These courses have additional prerequisites as follows:
MKTG 2110 (130:101) has prerequisite of ECON 1031 (920:024) or ECON 1041 (920:053).
MGMT 3154 (150:154), ECON 1021 (920:020), and ECON 1011 (920:070) have prerequisite of *STAT 1772 (800:072)* or equivalent. *STAT 1772 (800:072)* will satisfy Category 1C of the Liberal Arts Core.
- ** The rest of the business core must be completed before MGMT 4175 (150:175) is taken.

Supply Chain Management Major

The Supply Chain Management major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements

List of Programs by Department

and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required Business Core:

Business Administration, Interdepartmental:

BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professionals in Training	0

Accounting:

ACCT 2120 (120:030)	Principles of Financial Accounting	3
ACCT 2130 (120:031)	Principles of Managerial Accounting	3

Marketing:

MKTG 2110 (130:101)	Principles of Marketing *	3
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Management:

MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
MGMT 3154 (150:154)	Operations Management *	3
MGMT 4175 (150:175)	Business Policy and Strategy **	3

Finance:

FIN 3130/5130 (160:151g)	Corporate Finance	3
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Economics:

ECON 1011 (920:070)	Statistics for Business Analytics *	3
ECON 1021 (920:020)	Decision Analytics *	3
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3

Required Courses:

MGMT 3161 (150:161)	Supply Chain and Purchasing	3
MGMT 3167	Global Supply Chain Management	3
MGMT 3168	Supply Chain Modeling and Analytics	3
MKTG 3163 (130:161)	Distribution and Logistics	3

Electives: Select two of the following (only one can be taken outside of the College of Business): 6

Management:

MGMT 3163 (150:163)	Managerial Problem Solving	
MGMT 3166	Six Sigma and Lean Consulting Methodology	
MGMT 3185	Project Management	
MGMT 3965/5965 (150:165g)	Organizational Behavior	
MGMT 3984/5984	Dynamics of Negotiations	

Geography:

GEOG 4180/5180 (970:121g)	Locational Analysis for Business	
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Languages and Literatures:

ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication
Total Hours	57

* These courses have additional prerequisites as follows: MKTG 2110 (130:101) has prerequisite of ECON 1031 (920:024) or ECON 1041 (920:053). MGMT 3154 (150:154), ECON 1021 (920:020), and ECON 1011 (920:070) have prerequisite of STAT 1772 (800:072) or equivalent. STAT 1772 (800:072) will satisfy Category 1C of the Liberal Arts Core.

** The rest of the business core must be completed before MGMT 4175 (150:175) is taken.

Note: Supply Chain Management majors are allowed to double major with either 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).

Business Teaching Major

The Business Teaching major requires a minimum of 121 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements, to complete the minimum of 121 hours.

Required business core

Business Administration, Interdepartmental:

BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professionals in Training	0

Accounting:

ACCT 2120 (120:030)	Principles of Financial Accounting	3
ACCT 2130 (120:031)	Principles of Managerial Accounting	3

Marketing:

MKTG 2110 (130:101)	Principles of Marketing	3
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Management:

MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
MGMT 3154 (150:154)	Operations Management	3
MGMT 4175 (150:175)	Business Policy and Strategy **	3

Finance:

FIN 3130/5130 (160:151g)	Corporate Finance	3
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Economics:

ECON 1011 (920:070)	Statistics for Business Analytics *	3
ECON 1021 (920:020)	Decision Analytics *	3
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
Required		
Marketing:		
MKTG 3583/5583 (130:170g)	Entrepreneurship	3
Management:		
MGMT 2091 (150:091)	Introduction to Curriculum and Methods for Business Education	1
MGMT 3117 (150:117)	Field Experience in Business Teaching	1
MGMT 3181	Communication and Financial Literacy in Business	3
MGMT 3191 (150:191)	Advanced Curriculum and Methods for Business Education	2
Total Hours		49

* These courses have additional prerequisites as follows:
 ECON 1021 (920:020) and ECON 1011 (920:070) have prerequisite of STAT 1772 (800:072) or equivalent. STAT 1772 (800:072) will satisfy Category 1C of the Liberal Arts Core.
 MGMT 3181 has prerequisite of *ENGLISH 1005 (620:005)* or *ENGLISH 2015 (620:015)*, either of which will satisfy Category 1A of the Liberal Arts Core. Business Teaching Majors may substitute **both** ECON 1041 (920:053) **and** ECON 1051 (920:054) for ECON 1031 (920:024) to satisfy Category 5B of the Liberal Arts Core.

** The rest of the business core must be completed before MGMT 4175 (150:175) is taken.

The Professional Education Requirements for the Business Teaching major include 30 hours in the following courses:

EDPSYCH 2030 (200:030)	Dynamics of Human Development	3
EDPSYCH 3148 (200:148)	Learning and Motivation in Classroom Contexts	3
MEASRES 3150 (250:150)	Classroom Assessment	2
SOCFOUND 3119 (260:119)	Schools and American Society	3
SPED 3150 (220:150)	Meeting the Needs of Diverse Learners in Classrooms	2
TEACHING 2017	Level 1 Field Experience: Exploring Teaching	1
TEACHING 3128	Level 2 Field Experience: Teacher as a Change Agent	1
TEACHING 3138 (280:138)	Secondary School Teaching	4-12
TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application	3

Minors

General Business Concepts Minor

Required

Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
Economics:		
ECON 1031 (920:024)	Introduction to Economics	3
or equivalent		
ECON 1011 (920:070)	Statistics for Business Analytics *	3
Total Hours		21

* ECON 1011 (920:070) has prerequisite of *STAT 1772 (800:072)* or equivalent. *STAT 1772 (800:072)* will satisfy Category 1C of the Liberal Arts Core.

NOT available to majors in: Accounting, 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 CBA 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 CBA major other than Management.

Required

Management:		
MGMT 3163 (150:163)	Managerial Problem Solving	3
MGMT 3183	Leadership Skills	3
MGMT 3185	Project Management	3
MGMT 3965/5965 (150:165g)	Organizational Behavior	3
Total Hours		12

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 Administration 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

List of Programs by Department

electives. The total number of hours required for licensure will be 40. 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 Department of Management.

Other Licensure Options

Additional vocational licensure is available in multi-occupations.

Department of Marketing

(College of Business Administration)

www.cba.uni.edu/marketing

The Department of Marketing offers the following undergraduate programs and program certificates. Specific requirements for these programs are listed within this Department of Marketing section in the following order:

Undergraduate Majors (B.A.)

- Marketing

Minors

- Business Communication (also listed in Department of Communication Studies)
- Entrepreneurship
- Marketing (Non-Business Majors)

Program Certificates

- Entrepreneurship
- Financial and Real Estate Sales for Business Majors (also listed in Department of Finance)

Note: Students majoring in Marketing must satisfy the College of Business Administration (CBA) admission requirements before they can officially declare their major. A copy of the Admission, Retention, and Graduation Policy may be obtained from UNIBusiness Advising in the College of Business Administration or at <http://business.uni.edu/web/pages/currentstudents/advisingcenter-collegepolicies.cfm>. 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 100/3000-level) business courses only. Enrollment in upper division (100/3000/4000-level) business courses and MKTG 2110 (130:101) requires satisfactory completion of the CBA 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 Administration, subject to the regulations imposed by those CBA departments affected. Marketing majors minoring within the CBA 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 Administration, 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 100/3000/4000-level, UNI Marketing courses. Students must take at least 50% of the course work required

for the degree outside the College of Business Administration. Up to nine hours of economics (excluding ECON 1021 (920:020)), and six hours of statistics may be counted as outside the College of Business Administration. 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/120:xxx, MKTG xxxx/130:xxx, MGMT xxxx/150:xxx, FIN xxxx/160:xxx, and ECON xxxx/920:xxx 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 Department may impose additional admission requirements for students wishing to declare a minor or a second CBA major. Eligibility to declare a minor or a second CBA major is based on competitive GPA and space availability. Students may obtain a copy of these requirements from UNIBusiness Advising (CBB 5) in the College of Business Administration.

Bachelor of Arts Degree Programs
Marketing Major

The Marketing major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours. Liberal Arts Core courses included in major program requirements are distinguished by *italics*.

Required business core		
Business Administration, Interdepartmental:		
BUSINESS 1000 (100:010)	Introductory Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professionals in Training	0
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
ACCT 2130 (120:031)	Principles of Managerial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
MGMT 3154 (150:154)	Operations Management	3
MGMT 4175 (150:175)	Business Policy and Strategy	3
Finance:		
FIN 3130/5130 (160:151g)	Corporate Finance	3
Economics:		
ECON 1011 (920:070)	Statistics for Business Analytics *	3
ECON 1021 (920:020)	Decision Analytics *	3
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
Required		
Marketing:		

MKTG 3113/5113 (130:106g)	Consumer Behavior	3
MKTG 3116/5116 (130:108g)	Marketing Research	3
MKTG 4170/5170 (130:191g)	Marketing Strategy	3
Marketing emphasis area (select one emphasis area below)		9
Total Hours		57

Emphases

Marketing Management

Required:		
MKTG 3163 (130:161)	Distribution and Logistics	3
MKTG 3173 (130:131)	New Product Management	3
Marketing elective - select one course from the following:		3
MKTG 3143 (130:150)	Advertising and Promotion	
MKTG 3166 (130:166)	Retail Management	
MKTG 3586/5586 (130:175g)	Entrepreneurial Strategy	
MKTG 3595 (130:142)	Value Based Pricing	
MKTG 4595 (130:169)	Internship-Marketing	

Global Marketing

Required:		
MKTG 3176/5176 (130:177g)	Global Marketing	3
MKTG 3178/5178	Global Trade Practices	3
Marketing elective:		3
MKTG 4595 (130:169)	Internship-Marketing	

MKTG 4595 (130:169) requires the successful completion of an approved international based Marketing Internship or the successful completion of an approved study abroad Marketing course.

Advertising and Digital Media

Required:		
MKTG 3143 (130:150)	Advertising and Promotion	3
MKTG 3146 (130:160)	Digital Advertising	3
Marketing elective - select one course from the following:		3
MKTG 3156 (130:178)	Services Marketing	
MKTG 3583/5583 (130:170g)	Entrepreneurship	
MKTG 4150	Advertising Campaign Development	
MKTG 4595 (130:169)	Internship-Marketing	

Sales Management

Required:		
MKTG 3153 (130:153)	Personal Selling	3
MKTG 3154	Sales Management	3
Marketing elective - select one course from the following:		3
MKTG 3156 (130:178)	Services Marketing	
MKTG 3166 (130:166)	Retail Management	
MKTG 3583/5583 (130:170g)	Entrepreneurship	
MKTG 3595 (130:142)	Value Based Pricing	
MKTG 4595 (130:169)	Internship-Marketing	

* ECON 1021 (920:020) and ECON 1011 (920:070) have prerequisite of *STAT 1772 (800:072)* or equivalent. *STAT 1772 (800:072)* will satisfy Category 1C of the Liberal Arts Core.

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 Studies. The minor requires a 12-hour core plus 9 hours from three emphases.

Required

Communication:		
COMM 3155 (48C:173)	Business and Professional Oral Communication	3
Communication or English:		3
COMM 2555 (48C:025)	Interactive Digital Communication	
or ENGLISH 2770 (620:077)	Introduction to Professional Writing	
Communication or Management:		3
COMM 3055 (48C:132)	Organizational Communication	
or MGMT 3153 (150:153)	Organizational Management	
Marketing:		
MKTG 2110 (130:101)	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 (620:102g)	Applied Writing: Workplace Communication	
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	

2. Communication Skills

Select one course from the following:		3
Communication Studies:		
COMM 1205 (48C:031)	Group Communication Skills	
COMM 4316/5316 (48C:136g)	Mediation Theory and Process	
COMM 4333/5333 (48C:148g)	Communication and Conflict Management	
COMM 4355/5355 (48C:141g)	Listening	
COMM PR 1811 (48P:005)	Principles of Public Relations	

List of Programs by Department

3. Business and Professional Communication Contexts and Applications

Select one of the following: 3

Communication Studies:	
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications

Marketing:

MKTG 3143 (130:150)	Advertising and Promotion
MKTG 3146 (130:160)	Digital Advertising
MKTG 3153 (130:153)	Personal Selling

Note: When declaring this minor students must:

- have a 2.70 cumulative GPA.
- have satisfactorily completed Categories 1A and 1B of the Liberal Arts Core.

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:

BUSINESS 2010 (100:040)	Entrepreneurial Fundamentals	3
ECON 1031 (920:024)	Introduction to Economics *	3
MKTG 2110 (130:101)	Principles of Marketing **	3
MKTG 3583/5583 (130:170g)	Entrepreneurship	3
MKTG 3586/5586 (130:175g)	Entrepreneurial Strategy	3
Required Marketing Elective, choose one from the following:		3

MKTG 3113/5113 (130:106g)	Consumer Behavior
MKTG 3116/5116 (130:108g)	Marketing Research

MKTG 3143 (130:150)	Advertising and Promotion
MKTG 3146 (130:160)	Digital Advertising
MKTG 3153 (130:153)	Personal Selling
MKTG 3154	Sales Management
MKTG 3156 (130:178)	Services Marketing
MKTG 3163 (130:161)	Distribution and Logistics
MKTG 3166 (130:166)	Retail Management
MKTG 3173 (130:131)	New Product Management
MKTG 3176/5176 (130:177g)	Global Marketing
MKTG 3178/5178	Global Trade Practices
MKTG 3595 (130:142)	Value Based Pricing
One course required within the student's declared major: ***	
ACCT 2130 (120:031)	Principles of Managerial Accounting
ACCT 3130 (120:131)	Cost Accounting
ACT SCI 3790	Introduction to Actuarial Science
ANTH 3440/5440 (990:125g)	Introduction to Museum Studies
ART 2020 (600:050)	Ceramics I
ART 2030 (600:025)	Graphic Design I
ART 2050 (600:080)	Painting I
ART 2060 (600:060)	Performance Art I
ART 2070 (600:032)	Creative Photography I: Digital Photography
ART 2080	Printmaking I: Strategies
ART 2090 (600:037)	Sculpture I
ART 3011 (600:111)	Life Drawing
ART 3020 (600:161)	Ceramics II
ART 3022 (600:172)	Ceramics III
ART 3030 (600:125)	Graphic Design II
ART 3031 (600:126)	Graphic Design: Identity System Design
ART 3032 (600:128)	Graphic Design: Digital Image Design
ART 3033 (600:129)	Graphic Design: Typography
ART 3034 (600:127)	Graphic Design: Publication Design
ART 3035 (600:182)	Graphic Design: Motion Graphics
ART 3036 (600:181)	Graphic Design: Web and Interactive Design
ART 3037 (600:183)	Graphic Design: Book Structures
ART 3038 (600:184)	Graphic Design: Portfolio Preparation
ART 3055 (600:180)	Painting III
ART 3060 (600:163)	Performance Art II
ART 3066/5066 (600:173g)	Performance Art III
ART 3070 (600:130)	Creative Photography II
ART 3077 (600:131)	Creative Photography III
ART 3078 (600:132)	Color Photography
ART 3080 (600:134)	Printmaking II: Applications

List of Programs by Department

ART 3088 (600:174)	Printmaking III: Directions	CSD 3900/5900 (51C:180g)	Aural Rehabilitation
ART 3090 (600:137)	Sculpture II	CSD 4500 (51C:155)	Clinical Practice
ART 3099 (600:177)	Sculpture III	EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality
ART 4010/5010 (600:194g)	Professional Practices	EARTHSCI 3345/5345 (870:171g)	Environmental Geology
AT 3060 (42T:110)	Athletic Training Administration and Professional Development	EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	EARTHSCI 3355/5355 (870:175g)	Hydrogeology
COMM PR 3855 (48P:173)	Public Relations Writing	EARTHSCI 3360/5360	Field and Laboratory Methods in Hydrology
COMM PR 3940 (48P:191)	Advanced Applied Public Relations	ENGLISH 2770 (620:077)	Introduction to Professional Writing
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods	ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication
COMM 2455 (48C:015)	Skills for Making Performance	ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants
COMM 2555 (48C:025)	Interactive Digital Communication	ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication
COMM 3155 (48C:173)	Business and Professional Oral Communication	ENGLISH 4780/5780 (620:107g)	The Profession of Editing
COMM 3941 (48C:193)	Advanced Applied Performance Studies	ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects, Grants and Careers
COMM 4116/5116 (48C:138g)	Health Communication	FAM SERV 2060 (31F:060)	Strategies and Issues in Family Services
COMM 4155/5155 (48C:135g)	Organizational Communication Assessment	FAM SERV 3175/5175	Family Financial Counseling and Literacy
COMM 4555/5555 (48C:168g)	Message Design and Delivery	FAM SERV 3176/5176 (31F:177g)	Consumer Behavior Across the Lifespan
COMM 4556/5556	Interactive Digital Visualization	FAM SERV 4190 (31F:190)	Professional Practice in Family Services
COMM DM 1620	Fundamentals of Journalism	FIN 3055 (160:163)	Insurance Company Operations
COMM DM 1651	Digital Media Production I	FIN 3110 (160:140)	Principles of Real Estate
COMM DM 1652	Writing for Digital Media	FIN 3115 (160:143)	Real Estate Law and Brokerage
CRIM 2022 (982:022)	Criminal Justice System	FIN 3120 (160:142)	Real Estate Appraisal and Investment
CRIM 2112 (982:112)	White Collar Crime	FIN 3135 (160:161)	Intermediate Financial Management
CS 2420 (810:142)	Computer Architecture and Parallel Programming	FIN 3160/5160 (160:152g)	Principles of Investments
CS 2530 (810:053)	Intermediate Computing	FIN 3170/5170 (160:153g)	Commercial Bank Management
CS 2720 (810:172)	Software Engineering	GEOG 3110 (970:101)	Economic Geography
CS 3120/5120 (810:112g)	User Interface Design	GEOG 4120/5120 (970:119g)	Demography and Population Geography
CS 3140/5140 (810:114g)	Database Systems	GEOG 4180/5180 (970:121g)	Locational Analysis for Business
CS 3150/5150 (810:115g)	Information Storage and Retrieval	GERO 4170/5170 (31G:170g)	Long Term Care Administration
CS 3430/5430 (810:143g)	Operating Systems	HIST 4020/5020 (960:125g)	Introduction to Museum Studies
CS 3470/5470 (810:147g)	Networking	HPE 4431/5431 (410:131g)	Worksite Health Promotion
CS 3610/5610 (810:161g)	Artificial Intelligence	INTDSGN 2063 (31I:064)	Computer Applications for Interior Design I
CS 3650/5650 (810:166g)	Computational Biology		
CS 3730/5730 (810:173g)	Project Management		
CS 3750/5750 (810:175g)	Software Verification and Validation		
CS 4400/5400 (810:140g)	System Administration		
CS 4410/5410 (810:141g)	System Security		
CS 4620/5620 (810:162g)	Intelligent Systems		
CS 4740/5740 (810:174g)	Real-Time Embedded Systems		
CSD 3650 (51C:152)	Clinical Processes		

List of Programs by Department

INTDSGN 3129 (31I:129)	Interior Design Standards	PHYSICS 4700/5700 (880:167g)	Electrodynamics
INTDSGN 3164 (31I:164)	Professional Practice of Interior Design	PHYSICS 4750/5750 (880:174g)	Physics of Modern Materials
INTDSGN 3165	Professional Preparation in Interior Design	PHYSICS 4800/5800 (880:172g)	Quantum Mechanics
LYHS 2075 (430:075)	Marketing for Leisure, Youth and Human Service Agencies	PHYSICS 4860/5860 (880:150g)	Computational Physics
LYHS 3337 (430:154)	Human Resource Development for Leisure, Youth and Human Services	PHYSICS 4900/5900 (880:136g)	Thermodynamics and Statistical Mechanics
LYHS 3050 (430:114)	Management of Leisure, Youth and Human Services	POL AMER 3174 (942:174)	Public Personnel Administration
LYHS 3338 (430:155)	Planning Strategies in Nonprofit and Youth Agencies	PSYCH 2301 (400:025)	Applied Psychology
LYHS 3774 (430:173)	Conferences, Expositions and Conventions in Tourism	PSYCH 3304/5304 (400:158g)	Organizational Psychology
LYHS 4055 (430:151)	Financial Resource Management for LYHS Agencies	PSYCH 3305/5305 (400:157g)	Industrial Psychology
LYHS 4116/5116 (430:172g)	Festivals and Special Events Management	SOC 1000 (980:001)	Introduction to Sociology
LYHS 4339/5339 (430:188g)	Nonprofit Leadership Practicum, Level II	SOC 3045/5045 (980:135g)	Social Inequality
LYHS 4621/5621 (430:140g)	Camp Staff Development	TECH 2119	Computer Applications in Technology
LYHS 4625/5625 (430:144g)	Camp Management Systems	TECH 3113 (330:113)	Manufacturing Tooling
LYHS 4776/5776 (430:170g)	Eco, Adventure and Sport Tourism	TECH 3120 (330:120)	Technology and Engineering Education Curriculum Planning
LYHS 4778/5778 (430:171g)	Community Based Tourism	TECH 3125/5125 (330:125g)	Commercial and Heavy/Highway Construction
LYHS 4997/5997 (430:163g)	Administrative Practices in Therapeutic Recreation	TECH 3126/5126 (330:126g)	Land, Route, and Construction Surveying
MGMT 3153 (150:153)	Organizational Management	TECH 3128 (330:128)	Electrical Construction Materials and Methods
MIL SCI 3116 (080:116)	Platoon Operations	TECH 3131/5131 (330:131g)	Technical Project Management
MIL SCI 3117 (080:117)	Applied Leadership in Platoon Operations	TECH 3143	Managing Operations and Manufacturing Systems
MIL SCI 3118 (080:118)	Mission Command and the Army Profession	TECH 3149 (330:149)	Construction Estimating
MIL SCI 3119 (080:119)	Mission Command and the Company Grade Officer	TECH 3168/5168 (330:168g)	Technology Training Strategies
MUS TECH 3110/5110 (560:111g)	Performing Arts and Entertainment Law	TECH 3190/5190 (330:190g)	Technology and Engineering Education Teaching Methods
MUS TECH 3120/5120 (560:112g)	Performing Arts Management	TECH 4093/5093	Graphic Communications Estimating and Management I
PEMES 2037 (420:037)	Applied Choreography	TECH 4124/5124 (330:124g)	Mechanical Systems in Construction
PEMES 3135 (420:135)	Dance Production and Performance	TECH 4161/5161 (330:161g)	Digital Graphic Communications
PHYSICS 4050/5050 (880:140g)	Optical Science	TECH 4174 (330:174)	Senior Design I
PHYSICS 4290/5290	Project Lead The Way: Digital Electronics	TECH 4176 (330:176)	Senior Design II
PHYSICS 4300/5300 (880:152g)	Introduction to Electronics	TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management
PHYSICS 4310/5310 (880:154g)	Physical Computing	TECH 4193	Graphic Communication Estimating and Management II
PHYSICS 4600/5600 (880:166g)	Classical Mechanics	TEXDSGN 2005 (31T:121)	Fashion Promotion
		TEXDSGN 2006 (31T:011)	Computer Textile and Apparel Design Foundations
		TEXDSGN 2007 (31T:014)	Apparel Design and Evaluation

List of Programs by Department

TEXDSGN 3008 (31T:100)	Computer Applications for the Textile and Apparel Industry
TEXDSGN 3009 (31T:123)	Textile Structures
TEXDSGN 3010 (31T:124)	Quality Assurance for Textile Materials
TEXDSGN 3011 (31T:119)	Fashion Trend Analysis
TEXDSGN 3012 (31T:122)	Fashion Design: Flat Pattern and Draping
TEXDSGN 3013 (31T:185)	Professional Development: Textile and Apparel
TEXDSGN 4016 (31T:115g)	Apparel Product Development and Merchandising
THEATRE 2040 (490:040)	Design Elements for Theatre
THEATRE 2060	Production Studies
THEATRE 3050/5050 (490:151g)	Theatre Production
THEATRE 3138	Production Techniques: Drafting and Pattern Development
THEATRE 3139 (490:140)	Production Techniques: Scene Painting and Makeup
THEATRE 3155/5155 (490:144g)	Topics in Theatre Design and Production
THEATRE 3180/5180 (490:155g)	Theatre Management
THEATRE 3190/5190 (490:157g)	Stage Management
THEATRE 3195/5195 (490:168g)	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 (920:053) and ECON 1051 (920:054) will substitute for ECON 1031 (920:024). No credit for students who have credit or are concurrently enrolled in ECON 1041 (920:053) or ECON 1051 (920:054).
- ** All non-business majors need to take a non-business section of this course.
- *** 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 (Non-Business Majors)

Required

Marketing:		
MKTG 2110 (130:101)	Principles of Marketing *	3
Economics:		
ECON 1031 (920:024)	Introduction to Economics	3
or ECON 1041 (920:053)	Principles of Macroeconomics	
Marketing electives - select four courses from the following:		12

MKTG 3113/5113 (130:106g)	Consumer Behavior
MKTG 3143 (130:150)	Advertising and Promotion
MKTG 3146 (130:160)	Digital Advertising
MKTG 3153 (130:153)	Personal Selling
MKTG 3154	Sales Management
MKTG 3156 (130:178)	Services Marketing
MKTG 3163 (130:161)	Distribution and Logistics
MKTG 3166 (130:166)	Retail Management
MKTG 3173 (130:131)	New Product Management
MKTG 3176/5176 (130:177g)	Global Marketing
MKTG 3178/5178	Global Trade Practices
MKTG 3583/5583 (130:170g)	Entrepreneurship
MKTG 3595 (130:142)	Value Based Pricing
MKTG 4150	Advertising Campaign Development
Business electives - select one course from the following:	3
Accounting:	
ACCT 2120 (120:030)	Principles of Financial Accounting
Management:	
MGMT 3153 (150:153)	Organizational Management
Total Hours	21

* MKTG 2110 (130:101) has prerequisite of either *ECON 1031 (920:024)* or *ECON 1041 (920:053)*. *ECON 1031 (920:024)* or **both** *ECON 1041 (920:053)* and *ECON 1051 (920:054)* will satisfy Category 5B of the Liberal Arts Core.

NOT available to majors in: Accounting, Business Teaching, Economics-Business Economics Emphasis, Finance, Management, Management Information Systems, Marketing, and Real Estate.

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.

List of Programs by Department

For more information, students should contact UNIBusiness 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

Business Administration, Interdepartmental:		
BUSINESS 2010 (100:040)	Entrepreneurial Fundamentals	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
MKTG 3583/5583 (130:170g)	Entrepreneurship	3
MKTG 3586/5586 (130:175g)	Entrepreneurial Strategy	3
Economics:		
ECON 1031 (920:024)	Introduction to Economics **	3
Total Hours		15

* ECON 1041 (920:053) and ECON 1051 (920:054) will substitute for *ECON 1031 (920:024)*.

Certificate in Financial and Real Estate Sales for Business Majors

Required

Marketing:		
MKTG 3153 (130:153)	Personal Selling	3
MKTG 3154	Sales Management	3
Finance:		
FIN 3130/5130 (160:151g)	Corporate Finance	3
Electives from the following:		6
Finance:		
FIN 3050 (160:162)	Risk Management and Insurance	
FIN 3110 (160:140)	Principles of Real Estate	
FIN 3160/5160 (160:152g)	Principles of Investments	
Electives from the following:		3
Management:		
MGMT 3974/5974 (150:174g)	Business, Ethics, and Society	
Communication Studies*:		
COMM 3155 (48C:173)	Business and Professional Oral Communication	
COMM 4218 (48C:178)	Persuasion	
COMM 4355/5355 (48C:141g)	Listening	
Total Hours		18

* Prerequisite notes:
 1) COMM 4355/5355 (48C:141g) and COMM 4218 (48C:178) have junior standing as their prerequisite.
 2) COMM 3155 (48C:173) has COMM 1000 (48C:001) Oral Communication as a prerequisite. COMM 1000 (48C:001) is a Liberal Arts Category 1.B. required course that any business major pursuing this certificate would be required to complete.
 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.

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
- Mathematics-Statistics/Actuarial Science
- Mathematics-Teaching

Minors

- 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 Middle Grades (4-8)

Graduate Majors (P.S.M.)

- Industrial Mathematics

Program Certificate

- Statistical Computing

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 Liberal Arts Core 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 (800:060)	Calculus I *
MATH 1421 (800:061)	Calculus II
MATH 2422 (800:062)	Calculus III
MATH 2500 (800:076)	Linear Algebra for Applications

Mathematics core: 16

MATH 2900	Discrete and Argumentative Mathematics
MATH 4420/5420 (800:140g)	Advanced Calculus I
MATH 4421/5421 (800:141g)	Advanced Calculus II
MATH 4500/5500 (800:160g)	Modern Algebra I
MATH 4501/5501 (800:162g)	Modern Algebra II
MATH 4900 (800:194)	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 (800:072). 3-6

MATH/STAT 3751	Probability and Statistics
STAT 1772 (800:072)	Introduction to Statistical Methods

and	
MATH/STAT 3752	Introduction to Probability
STAT 1772 (800:072) & STAT 3771/5771 (800:121g)	Introduction to Statistical Methods and Applied Statistical Methods for Research

Electives: Select two of the following. MATH/STAT 3752/5752 (800:152g) 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 (800:142g)	Dynamical Systems: Chaos Theory and Fractals
MATH 3425/5425 (800:149g)	Differential Equations
MATH 3440/5440 (800:176g)	Numerical Analysis *
MATH 3530/5530 (800:143g)	Combinatorics

MATH 3600/5600 (800:166g)	Euclidean Geometry
MATH 3610/5610 (800:165g)	Modern Geometries
MATH 3630/5630 (800:155g)	Differential Geometry
MATH 3640/5640 (800:180g)	History of Mathematics: To the Calculus
MATH/STAT 3752	Introduction to Probability
MATH/ACT SCI 3780	Mathematics of Finance
MATH 4460/5460 (800:156g)	Introduction to Complex Analysis
MATH 4510/5510 (800:144g)	Elementary Number Theory
MATH 4641/5641 (800:167g)	Topology I

Total Hours 40-43

* These courses have additional prerequisites as follows:
MATH 1420 (800:060) has prerequisite of a satisfactory score on a mathematics placement exam, or subsequent remediation.
MATH 3440/5440 (800:176g) has prerequisite of CS 1130 (810:030), CS 1160 (810:036), or CS 1510 (810:051).

Mathematics Major-Statistics/Actuarial Science

The Mathematics-Statistics/Actuarial Science major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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: 15

MATH 1420 (800:060)	Calculus I *
MATH 1421 (800:061)	Calculus II
MATH 2422 (800:062)	Calculus III
MATH 2500 (800:076)	Linear Algebra for Applications

Statistics/Actuarial Science core: 9

STAT 1772 (800:072)	Introduction to Statistical Methods
or STAT 1774 (800:064)	Introductory Statistics for Life Sciences
STAT 3775/5775 (800:174g)	Introduction to Mathematical Statistics
MATH/STAT 3752	Introduction to Probability

Computer Science: 3-4

Select one of the following:

List of Programs by Department

CS 1130 (810:030)	Visual BASIC Programming	
CS 1160 (810:036)	C/C++ Programming	
CS 1510 (810:051)	Introduction to Computing	
Seminar/research:		1-3
MATH 4900 (800:194) or MATH 4990 (800:195)	Senior Mathematics Seminar 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 (800:121g)	Applied Statistical Methods for Research	
STAT 3776/5776 (800:175g)	Regression Analysis	
STAT 4773/5773 (800:123g)	Design and Analysis of Experiments	
STAT 4779/5779 (800:196g)	Applied Multivariate Statistical Analysis	
Actuarial Science Emphasis Core:		
Select three from the following:		
ACT SCI/MATH 3780	Mathematics of Finance	
ACT SCI 4735/5735 (800:153g)	Actuarial Mathematics	
ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science	
ACT SCI 4788/5788 (800:170g)	Loss Models	
ACT SCI 4785/5785 (800:197g)	Introduction to Financial Engineering	
Electives		6
Select two from the following:		
STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research	
STAT 3776/5776 (800:175g)	Regression Analysis	
STAT 3778/5778 (800:171g)	Spatial Data Analysis	
STAT 4772/5772 (800:122g)	Statistical Computing I	
STAT 4773/5773 (800:123g)	Design and Analysis of Experiments	
STAT 4777/5777 (800:157g)	Statistical Quality Assurance Methods	
STAT 4779/5779 (800:196g)	Applied Multivariate Statistical Analysis	
STAT 4782/5782	Statistical Computing II	
ACT SCI 3731 (800:146)	Actuarial Examination Preparation **	
ACT SCI 4735/5735 (800:153g)	Actuarial Mathematics	
ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science	
ACT SCI 4785/5785 (800:197g)	Introduction to Financial Engineering	
ACT SCI 4788/5788 (800:170g)	Loss Models	
MATH 3440/5440 (800:176g)	Numerical Analysis	

MATH 3780/5780 (800:145g)	Mathematics of Finance	
Total Hours		43-46
* MATH 1420 (800:060) has prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.		
** ACT SCI 3731 (800:146) 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 Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 122-123 hours.

Required

Mathematics:		
Common core:		15
MATH 1420 (800:060)	Calculus I *	
MATH 1421 (800:061)	Calculus II	
MATH 2422 (800:062)	Calculus III	
MATH 2500 (800:076)	Linear Algebra for Applications	
Teaching core:		25
MATH 1310 (800:096)	Technology for Secondary Mathematics Teachers	
MATH 2303	Introduction to Teaching Secondary Mathematics	
MATH 2900	Discrete and Argumentative Mathematics	
MATH 3302	Field Experience in Teaching Secondary Mathematics	
MATH 3304 (800:190)	The Teaching of Secondary Mathematics	
MATH 3305 (800:183)	Connections: University Mathematics and the Secondary Curriculum	
or MATH 3640/5640 (800:180g)	History of Mathematics: To the Calculus	
MATH 3313	Topics in Secondary Mathematics	
MATH 3600/5600 (800:166g)	Euclidean Geometry	
MATH 4500/5500 (800:160g)	Modern Algebra I	
Probability and Statistics:		3-6
Select one of the following. MATH 3751 (800:173) / STAT 3751 will not satisfy this requirement if a student has credit for STAT 1772 (800:072).		
MATH/STAT 3751	Probability and Statistics	
STAT 1772 (800:072) & MATH 3752/5752 (800:152g)	Introduction to Statistical Methods and Introduction to Probability	

List of Programs by Department

STAT 1772 (800:072) & STAT 3771/5771 (800:121g)	Introduction to Statistical Methods and Applied Statistical Methods for Research	
Select two of the following:		6
MATH 3530/5530 (800:143g)	Combinatorics	
MATH 3610/5610 (800:165g)	Modern Geometries	
MATH 4420/5420 (800:140g)	Advanced Calculus I	
MATH 4501/5501 (800:162g)	Modern Algebra II	
MATH 4510/5510 (800:144g)	Elementary Number Theory	
MATH 4615/5615 (800:189g)	Geometric Transformations	
Computer Science:		3-4
Select one of the following:		
CS 1120 (810:056)	Media Computation	
CS 1130 (810:030)	Visual BASIC Programming	
CS 1140	Programming Environments for Secondary Education	
CS 1160 (810:036)	C/C++ Programming	
CS 1510 (810:051)	Introduction to Computing	
Total Hours		52-56

* MATH 1420 (800:060) 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 (800:060), MATH 1421 (800:061), MATH 2500 (800:076), MATH 2900, MATH 3302, MATH 3600/5600 (800:166g), MATH 4500/5500 (800:160g), and courses taken to satisfy the Probability and Statistics and Computer Science requirements.

2) Must earn a grade of C or higher in: MATH 2303 and MATH 3304 (800:190).

3) Must complete all of the courses in the major with a major grade point average of 2.50 or higher

Minors

Mathematics Minor

Required

Mathematics:		11
MATH 1420 (800:060)	Calculus I *	
MATH 1421 (800:061)	Calculus II	
MATH 2500 (800:076)	Linear Algebra for Applications	

Electives

Mathematics:

ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science	
MATH 2422 (800:062)	Calculus III	
MATH 2900	Discrete and Argumentative Mathematics	
MATH 3410/5410 (800:142g)	Dynamical Systems: Chaos Theory and Fractals	
MATH 3425/5425 (800:149g)	Differential Equations	
MATH 3430/5430 (800:150g)	Partial Differential Equations	
MATH 3440/5440 (800:176g)	Numerical Analysis	
MATH 3530/5530 (800:143g)	Combinatorics	
MATH 3600/5600 (800:166g)	Euclidean Geometry	
MATH 3610/5610 (800:165g)	Modern Geometries	
MATH 3630/5630 (800:155g)	Differential Geometry	
MATH 3640/5640 (800:180g)	History of Mathematics: To the Calculus	
MATH 3751 (800:173)	Probability and Statistics	
MATH/STAT 3752	Introduction to Probability	
MATH 4420/5420 (800:140g)	Advanced Calculus I	
MATH 4421/5421 (800:141g)	Advanced Calculus II	
MATH 4460/5460 (800:156g)	Introduction to Complex Analysis	
MATH 4500/5500 (800:160g)	Modern Algebra I	
MATH 4501/5501 (800:162g)	Modern Algebra II	
MATH 4510/5510 (800:144g)	Elementary Number Theory	
MATH 4615/5615 (800:189g)	Geometric Transformations	
MATH 4641/5641 (800:167g)	Topology I	
STAT 3775/5775 (800:174g)	Introduction to Mathematical Statistics	
STAT 3776/5776 (800:175g)	Regression Analysis	
STAT 4777/5777 (800:157g)	Statistical Quality Assurance Methods	
STAT 4779/5779 (800:196g)	Applied Multivariate Statistical Analysis	
Total Hours		23

* MATH 1420 (800:060) has prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.

List of Programs by Department

Mathematics Minor-Teaching

Required

Mathematics:		
MATH 1420 (800:060)	Calculus I *	4
MATH 1421 (800:061)	Calculus II	4
Select one of the following:		3
STAT 1772 (800:072)	Introduction to Statistical Methods	
STAT 1774 (800:064)	Introductory Statistics for Life Sciences	
MATH 3751 (800:173)	Probability and Statistics	
MATH 2303	Introduction to Teaching Secondary Mathematics	3
MATH 2500 (800:076)	Linear Algebra for Applications	3
MATH 2900	Discrete and Argumentative Mathematics	3
MATH 3600/5600 (800:166g)	Euclidean Geometry	3
MATH 4500/5500 (800:160g)	Modern Algebra I	3
MATH 3302	Field Experience in Teaching Secondary Mathematics	1
MATH 3304 (800:190)	The Teaching of Secondary Mathematics	3
Computer Science:		
Select one of the following:		3-4
CS 1120 (810:056)	Media Computation	
CS 1130 (810:030)	Visual BASIC Programming	
CS 1140	Programming Environments for Secondary Education	
CS 1160 (810:036)	C/C++ Programming	
CS 1510 (810:051)	Introduction to Computing	
Total Hours		33-34

* MATH 1420 (800:060) 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) Must earn a grade of C or higher in MATH 2303 and MATH 3304.
- 3) 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

Required

Mathematics:		
MATH 1204	Mathematical Reasoning for Elementary Teachers I	3
MATH 2204	Mathematical Reasoning for Elementary Teachers II	3

MATH 3204	Mathematical Reasoning for Elementary Teachers III	3
MATH 3211 (800:111g)	Introduction to Algebraic Thinking for Elementary Teachers	3
MATH 3212/5212 (800:112g)	Introduction to Geometry and Measurement for Elementary Teachers	3
MATH 3213/5213 (800:113g)	Topics in Mathematics for Grades K-8	3
MATH 3214/5214 (800:114g)	Problem Solving in Mathematics for Elementary Teachers	3
MATH 3215 (800:192)	Mathematics for Elementary Students with Special Needs	1
Computer Science:		
CS 1150	Programming Environments for Elementary Education	3
Total Hours		25

Statistics and Actuarial Science Minor

Complete one of the following emphases

Actuarial Science emphasis:		14
MATH 1420 (800:060)	Calculus I *	4
MATH 1421 (800:061)	Calculus II	4
ACT SCI/MATH 3780	Mathematics of Finance	3
MATH/STAT 3752	Introduction to Probability	3
Statistics emphasis		12
STAT 1772 (800:072)	Introduction to Statistical Methods	3
STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research	3
STAT 4772/5772 (800:122g)	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 (800:146)	Actuarial Examination Preparation
ACT SCI 4785/5785 (800:197g)	Introduction to Financial Engineering
ACT SCI 4735/5735 (800:153g)	Actuarial Mathematics
ACT SCI 4788/5788 (800:170g)	Loss Models
MATH 2422 (800:062)	Calculus III
MATH 2500 (800:076)	Linear Algebra for Applications
STAT 3775/5775 (800:174g)	Introduction to Mathematical Statistics
STAT 3776/5776 (800:175g)	Regression Analysis
STAT 3778/5778 (800:171g)	Spatial Data Analysis
STAT 4773/5773 (800:123g)	Design and Analysis of Experiments

STAT 4777/5777 (800:157g)	Statistical Quality Assurance Methods	
STAT 4779/5779 (800:196g)	Applied Multivariate Statistical Analysis	
Total hours		21-24

* MATH 1420 (800:060) 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 (800:299) and a **minimum of 15 additional hours of 200/6000-level course work**. A **minimum of 33 hours** is required for the **non-thesis** option, including a minimum of 3 hours of MATH 6299 (800:299) and a **minimum of 15 additional hours of 200/6000-level course work**.

The Secondary Teaching emphasis is offered on a **non-thesis** option only; a **minimum of 32 hours**, including a **minimum of 18 hours of 200/6000-level course work** is required.

The Community College Teaching emphasis is offered on a **non-thesis** option only; a **minimum of 33 hours**, including a **minimum of 15 hours of 200/6000-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 www.grad.uni.edu/admission.

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 (800:155g)	Differential Geometry	3
or MATH 4615/5615 (800:189g)	Geometric Transformations	
MATH 6420 (800:201)	Mathematical Analysis I	3
MATH 6460 (800:203)	Complex Analysis I	3
MATH 6500 (800:240)	Abstract Algebra I	3

Select at least two of the following: 6

MATH 6421 (800:202)	Mathematical Analysis II
MATH 6461 (800:204)	Complex Analysis II
MATH 6501 (800:241)	Abstract Algebra II

Research: 3 or 6

MATH 6299 (800:299)	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 (800:158g)	Topics in Actuarial Science
MATH 3425/5425 (800:149g)	Differential Equations
MATH 3430/5430 (800:150g)	Partial Differential Equations
MATH 3440/5440 (800:176g)	Numerical Analysis
MATH 3530/5530 (800:143g)	Combinatorics
MATH 3640/5640 (800:180g)	History of Mathematics: To the Calculus
MATH/STAT 3752	Introduction to Probability
MATH 4421/5421 (800:141g)	Advanced Calculus II
MATH 4460/5460 (800:156g)	Introduction to Complex Analysis
MATH 4501/5501 (800:162g)	Modern Algebra II
MATH 4641/5641 (800:167g)	Topology I
MATH 6510 (800:210)	Theory of Numbers
MATH 6640 (800:246)	Topics in the History of Mathematics
MATH 6650 (800:263)	Topics in Mathematical Logic and Set Theory
MATH 6779 (800:273)	Topics in Probability and Statistics
STAT 3775/5775 (800:174g)	Introduction to Mathematical Statistics
STAT 3776/5776 (800:175g)	Regression Analysis
STAT 4777/5777 (800:157g)	Statistical Quality Assurance Methods
STAT 4779/5779 (800:196g)	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

List of Programs by Department

mathematics and pedagogy to enhance teaching and increase student learning.

Required

Mathematics Education:		
MATH 6201 (800:220)	New Developments in Mathematics Education	3
MATH 6203 (800:222)	Contemporary Assessment in Mathematics Education I	2
MATH 6208	Contemporary Assessment in Mathematics Education II	1
MATH 6212 (800:211)	Algebraic Content and Pedagogy for Teachers	3
MATH 6215	Geometric Content and Pedagogy for Teachers	3
MATH 6230	Reflective Teaching-Cognitive Demand of Mathematical Tasks	1
MATH 6231	Reflective Teaching-Classroom Discourse	1
MATH 6232	Reflective Teaching: Meaningful Distributed Instruction	1
MATH 6234	Reflective Teaching: Leadership	1
MATH 6235	Reflective Teaching: Investigation of Classroom Practice	1
MATH 6381 (800:281)	Current Research in Mathematics Education	3
Mathematics:		
MATH 6370 (800:270)	Applied Linear Statistical Methods	3
MATH 6410	Foundations of Calculus	3
Select two courses from the following:		
MATH 4501/5501 (800:162g) or MATH 6500 (800:240)	Modern Algebra II Abstract Algebra I	
MATH 6371 (800:271)	Probability and Statistical Inference	
MATH 6530 (800:243)	Topics in Discrete Mathematics	
MATH 6670 (800:267)	Non-Euclidean Geometry	
Total Hours		32

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 (800:220)	New Developments in Mathematics Education	3
MATH 6208	Contemporary Assessment in Mathematics Education II	1

MATH 6230	Reflective Teaching-Cognitive Demand of Mathematical Tasks	1
MATH 6231	Reflective Teaching-Classroom Discourse	1
MATH 6232	Reflective Teaching: Meaningful Distributed Instruction	1
MATH 6234	Reflective Teaching: Leadership	1
MATH 6235	Reflective Teaching: Investigation of Classroom Practice	1
MATH 6381 (800:281)	Current Research in Mathematics Education	3
Mathematics:		
MATH 4501/5501 (800:162g) or MATH 6500 (800:240)	Modern Algebra II Abstract Algebra I	3
MATH 6370 (800:270)	Applied Linear Statistical Methods	3
MATH 6371 (800:271)	Probability and Statistical Inference	3
MATH 6410	Foundations of Calculus	3
MATH 6530 (800:243)	Topics in Discrete Mathematics	3
MATH 6670 (800:267)	Non-Euclidean Geometry	3
Postsecondary Education:		
POSTSEC 6260 (170:260)	History of U.S. Higher Education	3
Total Hours		33

Major in Mathematics for the Middle Grades (4-8)

This major is intended for teachers interested in mathematics for the middle grades (4-8) 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 www.grad.uni.edu/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; a **minimum of 32 hours** is required. **A minimum of 15 hours of 200/6000-level course work is required.**

Required

Mathematics Education:		
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MATH 6201 (800:220)	New Developments in Mathematics Education	3
MATH 6203 (800:222)	Contemporary Assessment in Mathematics Education I	2
MATH 6204 (800:191g)	Contemporary Mathematics Curricula	2
MATH 6205 (800:215)	Teaching Rational Numbers and Proportionality	3
MATH 6208	Contemporary Assessment in Mathematics Education II	1
MATH 6210 (800:237)	Technology in Middle Grades Mathematics	1
MATH 6212 (800:211)	Algebraic Content and Pedagogy for Teachers	3
MATH 6215	Geometric Content and Pedagogy for Teachers	3
MATH 6224 (800:236)	Mathematics for the Middle Grades Teachers I	3
MATH 6226 (800:238)	Mathematics for the Middle Grades Teacher II	3
MATH 6230	Reflective Teaching-Cognitive Demand of Mathematical Tasks	1
MATH 6231	Reflective Teaching-Classroom Discourse	1
MATH 6232	Reflective Teaching: Meaningful Distributed Instruction	1
MATH 6234	Reflective Teaching: Leadership	1
MATH 6235	Reflective Teaching: Investigation of Classroom Practice	1
MATH 6381 (800:281)	Current Research in Mathematics Education	3
Total Hours		32

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 www.grad.uni.edu/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 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 (800:060)	Calculus I	4
MATH 1421 (800:061)	Calculus II	4
MATH 2422 (800:062)	Calculus III	4
MATH 2500 (800:076)	Linear Algebra for Applications	3
STAT 1772 (800:072)	Introduction to Statistical Methods	3

One course in computer programming (or equivalent):

CS 1130 (810:030)	Visual BASIC Programming	3
CS 1160 (810:036)	C/C++ Programming	3
CS 1510 (810:051)	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 (800:250)	Deterministic Operations Research	3
MATH 6747 (800:252)	Discrete-Event System Simulation	3
MATH 6796	PSM Capstone Project	3

Electives from the following: 21

Marketing:

MKTG 4170/5170 (130:191g)	Marketing Strategy
or MKTG 6170 (130:263)	Marketing Management

Management:

MGMT 6250 (150:250)	Strategic Planning and Organization Analysis
MGMT 6262 (150:272)	Cross-Functional Operations

Finance:

FIN 3130/5130 (160:151g)	Corporate Finance
FIN 3160/5160 (160:152g)	Principles of Investments
FIN 6266 (160:266)	Financial Management and Markets

Technology:

TECH 3024/5024 (330:122g)	Advanced CAD and Modeling
TECH 3147 (330:147)	Computer Aided Manufacturing

Mathematics:

ACT SCI/MATH 3780	Mathematics of Finance
ACT SCI 4735/5735 (800:153g)	Actuarial Mathematics

List of Programs by Department

ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science
ACT SCI 4785/5785 (800:197g)	Introduction to Financial Engineering
ACT SCI 4788/5788 (800:170g)	Loss Models
MATH 3425/5425 (800:149g)	Differential Equations
MATH 3430/5430 (800:150g)	Partial Differential Equations
MATH 3440/5440 (800:176g)	Numerical Analysis
MATH 3530/5530 (800:143g)	Combinatorics
MATH 3630/5630 (800:155g)	Differential Geometry
MATH/STAT 3752	Introduction to Probability
MATH 4460/5460 (800:156g)	Introduction to Complex Analysis
MATH 6746 (800:251)	Probabilistic Operations Research
MATH 6748 (800:253)	Modeling Industrial Systems Using Queueing Networks
MATH 6779 (800:273)	Topics in Probability and Statistics
STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research
STAT 3775/5775 (800:174g)	Introduction to Mathematical Statistics
STAT 3776/5776 (800:175g)	Regression Analysis
STAT 3778/5778 (800:171g)	Spatial Data Analysis
STAT 4772/5772 (800:122g)	Statistical Computing I
STAT 4773/5773 (800:123g)	Design and Analysis of Experiments
STAT 4777/5777 (800:157g)	Statistical Quality Assurance Methods
STAT 4779/5779 (800:196g)	Applied Multivariate Statistical Analysis
STAT 4782/5782	Statistical Computing II
STAT 6772 (800:272)	Advanced Statistical Methods
Computer Science:	
CS 3470/5470 (810:147g)	Networking
CS 6400 (810:240)	Computer Systems
Physics:	
PHYSICS 6100 (880:205)	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 (800:121g)	Applied Statistical Methods for Research	3
STAT 4772/5772 (800:122g)	Statistical Computing I	3
STAT 4782/5782	Statistical Computing II	3
Electives: 6 hours from the following		6
STAT 3776/5776 (800:175g)	Regression Analysis	
STAT 3778/5778 (800:171g)	Spatial Data Analysis	
STAT 4773/5773 (800:123g)	Design and Analysis of Experiments	
STAT 4779/5779 (800:196g)	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

- Military Science Minor

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 Military Science. All instructors in the department are career U.S. Army Officers. 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 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. They will receive *\$9,500 per year stipend for two years* 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.

Required

Basic Course:		
MIL SCI 1091 (080:091)	Introduction to the Army and Critical Thinking	1
MIL SCI 1092 (080:092)	Introduction to the Profession of Arms	1
MIL SCI 1094 (080:093)	Army Doctrine and Team Development	2

MIL SCI 1093 (080:094)	Leadership and Decision Making	2
Advanced Course:		
MIL SCI 3116 (080:116)	Platoon Operations	3
MIL SCI 3117 (080:117)	Applied Leadership in Platoon Operations	3
MIL SCI 3118 (080:118)	Mission Command and the Army Profession	3
MIL SCI 3119 (080:119)	Mission Command and the Company Grade Officer	3
Electives		15
3 hours selected from each of the following fields:		
Written Communication, Human Behavior, Military History, Computer Literacy, Math Reasoning. *		
Total Hours		33

* Liberal Arts Core courses taken in these areas are accepted as meeting the elective credit requirements.

For a student to receive a commission, s(he) must receive credit for the Basic Course and is required to take the Advanced Course. A Military Science minor is offered and consists of the following requirements:

Military Science Minor

Required

Military Science:		
MIL SCI 1091 (080:091)	Introduction to the Army and Critical Thinking *	1
MIL SCI 1092 (080:092)	Introduction to the Profession of Arms *	1
MIL SCI 1094 (080:093)	Army Doctrine and Team Development *	2
MIL SCI 1093 (080:094)	Leadership and Decision Making *	2
MIL SCI 3116 (080:116)	Platoon Operations	3
MIL SCI 3117 (080:117)	Applied Leadership in Platoon Operations	3
MIL SCI 3118 (080:118)	Mission Command and the Army Profession	3
MIL SCI 3119 (080:119)	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 up to \$2871 a year in New G.I. Bill educational assistance benefits and a \$350 kicker if qualified.

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 of up to \$5,400 for each school year that the scholarship is in effect. Winning and accepting an ROTC scholarship does not preclude accepting other 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 West Gym (Room 203), UNI campus; or call the Scholarship Advisor at 319-273-6178 or 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 Advanced Course ROTC students receive \$450-500 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 West Gym 203, UNI campus; or call the student advisor at 319-273-6225. Please visit our Web site at www.uni.edu/rotc.

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:

List of Programs by Department

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

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. Five 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/540:xxx) 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 five 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 (540:060)

BM Composition Theory: Group Piano III (C or better) + Proficiency Exam Passed followed by 2 semesters of Applied Piano Beyond Proficiency: MUS APPL 2600 (540:060)

Vocal and Instrumental Competency: Required of all Music Education Majors. Instrumental students (*Specialization B*) will attend special sections of MUS ED 1100 (570:010) *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 credits-UNI) 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 (530:012), MUS ENS 3120/5120 (530:112g)] 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 a minimum of 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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

B.A. Music majors are not permitted to declare a double major within the School of Music. However, music majors may pursue more than one track (specialization) in the B.A. degree program.

B.A. Core Curriculum (34 hours) - required of all B.A. tracks

Applied Music: [MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses], including 2 hours of 100/3000/4000-level work in major area 12

Music Theory:		
MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
MUS THEO 2130 (580:013)	Theory III	2
MUS THEO 2140 (580:014)	Theory IV *	2
MUS THEO 2170 (580:017)	Aural Training III	1
MUS THEO 2270 (580:027)	Sight-Singing III	1
Music History and Musicology:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical	3

MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
Total Hours		34

* The corequisites for MUS THEO 2140 (580:014) [MUS THEO 2180 (580:018) and MUS THEO 2280 (580:028)] 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, 530:1xx/MUS ENS 3xxx, may be counted toward the 100/3000/4000-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 (540:xxx), excluding MUS APPL 1Nxx courses], including 2 additional hours of 100/3000/4000-level work in major area		4
Music Theory:		
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
Electives *		4
Total Hours		46

* Electives in music (limited to 100/3000/4000-level courses in the following areas only: MUS TECH xxxx (560:xxx), MUS ED xxxx (570:xxx), MUS THEO xxxx (580:xxx), MUS HIST xxxx (590:xxx), MUS LIT xxxx (595:xxx). Students who choose composition as their concentration will elect MUS THEO 3250/5250 (580:125g).

2. Jazz Studies (15 hours beyond Core)

Required

B.A. Core (exclude MUS HIST 1010 (590:001))		32
Jazz Ensembles		
MUS ENS 3160/5160 (530:116g)	Jazz Band (must select Jazz Combo section)	2
Applied Improvisation: *		
MUS APPL 3550/5550 (540:155g)	Jazz Improvisation	
Instrumental Jazz Improvisation: **		
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

List of Programs by Department

or MUS TECH 3550/5550	Instrumental Jazz Improvisation II	
Jazz Arranging/Composition:		
MUS THEO 3270/5270 (580:127g)	Jazz Arranging I	2
MUS THEO 3280/5280 (580:128g)	Jazz Arranging II	2
MUS THEO 3320/5320 (580:132g)	Jazz Composition Class	1
Jazz History:		
MUS HIST 3600/5600 (590:160g)	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 (590:001).
- ^ 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 (570:010)	Instrumental Techniques	2
Instrumental Pedagogy (String):		
MUS ED 3380/5380 (570:138g)	Instrumental Pedagogy (repeat, taking 2 sections)	4
Methods:		
MUS ED 4161 (570:161)	Instrumental Methods I: Strings **	1
Music Theory:		
MUS THEO 3100 (580:110)	Analysis of Music	2
Music Literature:		
MUS LIT 3200/5200 (595:120g)	Performance Literature: _____ (Strings-06)	2
Internship:		
MUS ED 3030 (570:103)	Internship in String Pedagogy	2
Total Hours		53

* (including 2 hours of a secondary stringed instrument):
MUS APPL xxxx (540:xxx)

** MUS ED 4161 (570:161) has prerequisite of
MUS ED 1500 (570:050). Students pursuing Track 3
are not required to have the prerequisite MUS ED 1500
(570:050).

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 (120:030)	Principles of Financial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Management/Music Techniques:		
MGMT 3153 (150:153)	Organizational Management	3
MUS TECH 3110/5110 (560:111g)	Performing Arts and Entertainment Law	3
MUS TECH 3120/5120 (560:112g)	Performing Arts Management	3
MUS TECH 4130 (560:113)	Senior Project, Performing Arts Management	0
Music Education and Methods:		
MUS ED 3010 (570:101)	Performing Arts Management Internship	2
Economics:		
ECON 1031 (920:024)	Introduction to 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 Studies Production courses:		
COMM DM 3950	Advanced Applied Digital Media	3
Music Technology:		
MUS THEO 3220/5220 (580:122g)	Music and Technology	8
MUS THEO 3230/5230 (580:123g)	Music Technology, Advanced	
Composition (focus on electronic music):		
MUS THEO 1300 (580:030)	Composition Class (electronic section)	2
Internships (recording and sound engineering):		
MUS ED 3020 (570:102)	Music Technology Internship	1
Senior Project in Music Technology:		0

MUS THEO 4900 (580:190)	Senior Project, Music Technology	
Music Electives *		3
Total Hours		51

* * Electives in music (limited to 100/3000/4000-level courses in the following areas only: MUS TECH xxxx (560:xxx), MUS ED xxxx (570:xxx), MUS THEO xxxx (580:xxx), MUS HIST xxxx (590:xxx), MUS LIT xxxx (595:xxx). Students who choose composition as their concentration will elect MUS THEO 3250/5250 (580:125g).

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 (540:xxx), excluding MUS APPL 1Nxx courses], including 2 additional hours of 100/3000/4000-level work in major area		4
Music Theory:		
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
Music History:		
Select two from the following:		6
MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	
MUS HIST 3110/5110 (590:111g)	Music History--Baroque	
MUS HIST 3120/5120 (590:112g)	Music History--Classic	
MUS HIST 3140/5140 (590:114g)	Music History--Romantic	
MUS HIST 3150/5150 (590:115g)	Music History--20th Century	
MUS HIST 3300/5300 (590:130g)	History of Opera	
MUS HIST 3510/5510 (590:151g)	Music of World Cultures	
MUS HIST 3600/5600 (590:160g)	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 (580:014) [MUS THEO 2180 (580:018) and MUS THEO 2280 (580:028)] 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 (530:x16) (Jazz Bands and Combos)		6
Applied Music [MUS APPL xxxx (540:xxx), 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 (580:127g)	Jazz Arranging I	2
MUS THEO 3280/5280 (580:128g)	Jazz Arranging II	2
MUS THEO 3320/5320 (580:132g)	Jazz Composition Class	1
Music History and Musicology:		
MUS HIST 3600/5600 (590:160g)	Jazz History and Styles	3
Total Hours		21

Departmental audition requirements apply to this minor.

Music Minor

Required

Music:		
MUSIC 1100 (520:010)	Soundscapes: Music in Culture	3
Music, Organizations and Ensembles (MUS ENS xxxx/530:xxx):		2
Applied Music [MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses]		4
Music Theory:		
MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
Electives in music: (MUS TECH xxxx/560:xxx, MUS ED xxxx/570:xxx, MUS THEO xxxx/580:xxx, MUS HIST xxxx/590:xxx, MUS LIT xxxx/595:xxx)		7
Total Hours		24

List of Programs by Department

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 Liberal Arts Core requirements and the following specified major requirements to complete the minimum of 120 hours.

Required

Music Theory/Applied Music:		
Composition Class:		
MUS THEO 1300 (580:030)	Composition Class	2
Music and Technology:		
MUS THEO 3220/5220 (580:122g)	Music and Technology	4
Applied Composition:		
MUS APPL 1540 (540:054)	Composition	4
MUS APPL 3540/5540 (540:154g)	Composition	12
Music, Organizations and ensembles [MUS ENS xxxx (530:xxx)]		8
Applied Music: Applied Piano: *		
MUS APPL 2600 (540:060)	Applied Piano Beyond Proficiency	2
Music Techniques:		
MUS TECH 1500/3500	Instrumental Jazz Improvisation - Theory	6
Select one of the following:		
MUS TECH 1170 (560:017) or MUS TECH 1180 (560:018)	Conducting I--Instrumental Conducting I--Choral	
MUS TECH 1210 (560:021) or MUS TECH 1220 (560:022)	Conducting II--Instrumental Conducting II--Choral	
Music Theory:		
MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
MUS THEO 2130 (580:013)	Theory III	2
MUS THEO 2140 (580:014)	Theory IV	2
MUS THEO 2170 (580:017)	Aural Training III	1
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2270 (580:027)	Sight-Singing III	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
MUS THEO 3250/5250 (580:125g)	Counterpoint Survey	3
MUS THEO 3260/5260 (580:126g)	Orchestration	3

Music History and Musicology:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical	3
MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
Select one of the following:		3
MUS HIST 3xxx (590:1xx)		
MUS LIT 3xxx (595:1xx)		
Electives in music: (100/3000/4000-level)		6
The following jazz courses are recommended:		
MUS THEO 3270/5270 (580:127g)	Jazz Arranging I	
MUS THEO 3280/5280 (580:128g)	Jazz Arranging II	
MUS THEO 3320/5320 (580:132g)	Jazz Composition Class	
Total Hours		79

* Taken beyond MUS APPL 1467 (540:P46)

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 (580:110) before they can take Counterpoint Survey MUS THEO 3250/5250 (580:125g) .
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 Liberal Arts Core requirements, the Professional Education Requirements, and the specified major requirements to complete the minimum of 132, 133 or 143 hours (depending on specialization).

Required

Music, Organizations and Ensembles (MUS ENS xxxx/530:xxx)			6
Applied Music [MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses] see specializations below:			
Music Education and Methods:			
MUS ED 1500 (570:050)	Introduction to Music Education		2

List of Programs by Department

MUS ED 3410 (570:141)	Elementary/General Music Methods	3
Music Theory:		
MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
MUS THEO 2130 (580:013)	Theory III	2
MUS THEO 2140 (580:014)	Theory IV	2
MUS THEO 2170 (580:017)	Aural Training III	1
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2270 (580:027)	Sight-Singing III	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
Music History and Musicology:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical	3
MUS HIST 1030 (590:003)	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 (540:xxx), excluding MUS APPL 1Nxx courses], including at least 4 hours of 100/3000/4000-level work in major area:		12
Applied Music: Applied Piano: *		
MUS APPL 2600 (540:060)	Applied Piano Beyond Proficiency	2
Music Techniques:		
MUS TECH 1180 (560:018)	Conducting I--Choral	2
MUS TECH 1220 (560:022)	Conducting II--Choral	3
MUS TECH 1300 (560:030)	Diction for Singers I	1
MUS TECH 1310 (560:031)	Diction for Singers II	1
MUS ED 3680	Instrumental Methods for Choral Majors	1
MUS ED 1750 (570:075)	Guitar in the Classroom	2
MUS ED 3300/5300 (570:130g)	Vocal Pedagogy	2
MUS ED 3650 (570:165)	Choral Methods and Materials	3
Total Hours		29

* Taken beyond MUS APPL 1467 (540:P46).

Specialization B (Instrumental/General: K-8, 5-12)

Applied Music [MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses], including at least 4 hours of 100/3000/4000-level work in major area		14
Music Techniques:		
MUS TECH 1170 (560:017)	Conducting I--Instrumental	2
MUS TECH 1210 (560:021)	Conducting II--Instrumental	3
MUS ED 1100 (570:010)	Instrumental Techniques	6
MUS ED 3640 (570:164)	Instrumental Methods IV: Jazz Band	1
MUS ED 3660	Field Experience in Music Education	1
MUS ED 3670	Choral Methods for Instrumental Majors	1
MUS ED 4161 (570:161)	Instrumental Methods I: Strings	1
MUS ED 4162 (570:162)	Instrumental Methods II: Marching Band	1
Total Hours		30

* 6 hrs., including one course each from brass, percussion, strings, and woodwinds.

Specialization C (Jazz/General: K-8, 5-12)

Applied Music [MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses], including at least 4 hours of 100/3000/4000-level work in major area:	14	
Music Techniques:	8	
MUS TECH 1170 (560:017)	Conducting I--Instrumental	
MUS TECH 1210 (560:021)	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 (570:010)	Instrumental Techniques	6
MUS ED 3640 (570:164)	Instrumental Methods IV: Jazz Band	1
MUS ED 3660	Field Experience in Music Education	1
MUS ED 4161 (570:161)	Instrumental Methods I: Strings	1
MUS ED 4162 (570:162)	Instrumental Methods II: Marching Band	1
Music Theory:		
MUS THEO 3270/5270 (580:127g)	Jazz Arranging I	2
MUS THEO 3280/5280 (580:128g)	Jazz Arranging II	2
Music History and Musicology:		

List of Programs by Department

MUS HIST 3600/5600 (590:160g)	Jazz History and Styles	3
Total Hours		40

Note: Music Education majors will meet the requirements of MEASRES 3150 (250:150) Classroom Assessment (Professional Education Requirements), by completing MUS ED 3410 (570:141) (all majors), and MUS ED 3640 (570:164), MUS ED 4161 (570:161), and MUS ED 4162 (570:162)(instrumental and jazz majors), ; or MUS ED 3650 (570:165) (Choral/General majors). They will meet the requirements of INSTTECH 1020 (240:020) Secondary Educational Technology and Design by completing MUS ED 1500 (570:050) 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 Liberal Arts Core 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/530:xxx):	8
Applied Music [MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses], including at least 12 hours of 100/3000/4000-level work in the major area:	22
Music Techniques:	
MUS TECH 1170 (560:017) Conducting I--Instrumental	2
MUS TECH 1210 (560:021) Conducting II--Instrumental	3
Music Pedagogy:	
Select one of the following:	2
MUS ED 3380/5380 (570:138g) Instrumental Pedagogy (instrumental majors)*	
MUS ED 3480/5480 (570:148g) Piano Pedagogy: Elementary (keyboard majors)	
Music Theory:	
MUS THEO 1110 (580:011) Theory I	2

MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
MUS THEO 2130 (580:013)	Theory III	2
MUS THEO 2140 (580:014)	Theory IV	2
MUS THEO 2170 (580:017)	Aural Training III	1
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2270 (580:027)	Sight-Singing III	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
MUS THEO 3xxx/4xxx (580:1xx)		3
Music History and Musicology/Performance Literature and Repertory:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical	3
MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
MUS LIT 3200/5200 (595:120g)	Performance Literature:	2
MUS HIST 3xxx/4xxx (590:1xx)		3
Electives: MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses, maximum of 4 hrs., MUS TECH xxxx (560:xxx), MUS ED xxxx (570:xxx), MUS THEO xxxx (580:xxx), MUS HIST xxxx (590:xxx), MUS LIT xxxx (595:xxx) only		
Total Hours		80

* MUS ED 3380/5380 (570:138g) has prerequisite of MUS ED 1100 or teaching experience.

Track B (Vocal)

Required

Music, Organizations and Ensembles [MUS ENS xxxx (530:xxx)]:	8
Applied Music [MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses], including at least 12 hours of 100/3000/4000-level work in the major area:	22
Music Techniques:	
MUS TECH 1180 (560:018) Conducting I--Choral	2
MUS TECH 1300 (560:030) Diction for Singers I	1
MUS TECH 1310 (560:031) Diction for Singers II	1
MUS TECH 1320 (560:032) Diction for Singers I Performance Lab	1
MUS TECH 1330 (560:033) Diction for Singers II Performance Lab	1
MUS TECH 1600 (560:060) Opera Performance I	1
MUS TECH 3610/5610 (560:161g) Opera Performance II	2
Music Pedagogy:	
MUS ED 3300/5300 (570:130g) Vocal Pedagogy	2
Music Theory:	

MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
MUS THEO 2130 (580:013)	Theory III	2
MUS THEO 2140 (580:014)	Theory IV	2
MUS THEO 2170 (580:017)	Aural Training III	1
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2270 (580:027)	Sight-Singing III	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
Music History and Musicology/Performance Literature and Repertory:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical	3
MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
MUS LIT 3200/5200 (595:120g)	Performance Literature: _____	2
MUS HIST 3xxx/4xxx (590:1xx) and/or MUS LIT 3xxx/4xxx (595:1xx)		3
Electives: MUS APPL xxxx (540:xxx), excluding MUS APPL 1Nxx courses, maximum of 4 hrs., MUS TECH xxxx (560:xxx), MUS ED xxxx (570:xxx), MUS THEO xxxx (580:xxx), MUS HIST xxxx (590:xxx), MUS LIT xxxx (595:xxx) only		8
Total Hours		80

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 in two languages other than English (selected from German, French, and Italian), and are strongly recommended to take MUS LIT 3200/5200 (595:120g) 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 Associate Director of the School of Music for Graduate Studies 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 and application for graduate admission can be found at www.grad.uni.edu/admission.

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 200/6000-level course work is required for the thesis option, including 6 hours of ____ 6299 (5xx:299) Research. A minimum of 12 hours of 200/6000-level course work is required for the non-thesis option, including 3 hours of ____:6299 (299) Research [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 Associate Director for Graduate Studies 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:

List of Programs by Department

MUS THEO 6100 (580:210)	Analytical Techniques I	3
MUS THEO 6110 (580:211)	Analytical Techniques II	3
Music History and Musicology:		
MUS HIST 6220 (590:222)	Research and Writing in Music	3
Music Literature:		
Select one from the following:		3
MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	
MUS HIST 3110/5110 (590:111g)	Music History--Baroque	
MUS HIST 3120/5120 (590:112g)	Music History--Classic	
MUS HIST 3140/5140 (590:114g)	Music History--Romantic	
MUS HIST 3150/5150 (590:115g)	Music History--20th Century	
Specialization: Applied Music:		4
MUS APPL 5xxx (540:1xxg)		
Research:		3 or 6
(6 hours of ____ 6299 (5xx:299) Research for thesis option *		
(3 hours of ____ 6299 (5xx:299) 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 (299) 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 and application for graduate admission can be found at www.grad.uni.edu/admission.

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 200/6000-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 (5xx:299) Research. A minimum of 12 semester hours of 200/6000-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 Associate Director of Graduate Studies 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 and application for graduate admission can be found at www.grad.uni.edu/admission.

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 200/6000-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 6100 (580:210)	Analytical Techniques I	3
MUS THEO 6110 (580:211)	Analytical Techniques II	3

Music History and Musicology:

MUS HIST 6220 (590:222)	Research and Writing in Music	3
Select one from the following:		3

MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	
MUS HIST 3110/5110 (590:111g)	Music History--Baroque	
MUS HIST 3120/5120 (590:112g)	Music History--Classic	
MUS HIST 3140/5140 (590:114g)	Music History--Romantic	
MUS HIST 3150/5150 (590:115g)	Music History--20th Century	

Specialization

Applied Music:

MUS APPL 6540 (540:254)	Composition	12
Music Electives: primarily in the areas of music literature and theory:		11

Recital:

MUS APPL 6880 (540:288)	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 and application for graduate admission can be found at www.grad.uni.edu/admission.

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 200/6000-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 6100 (580:210)	Analytical Techniques I	3
MUS THEO 6110 (580:211)	Analytical Techniques II	3

Music History and Musicology:

MUS HIST 6220 (590:222)	Research and Writing in Music	3
Select one from the following:		3

MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	
MUS HIST 3110/5110 (590:111g)	Music History--Baroque	
MUS HIST 3120/5120 (590:112g)	Music History--Classic	
MUS HIST 3140/5140 (590:114g)	Music History--Romantic	
MUS HIST 3150/5150 (590:115g)	Music History--20th Century	

Specialization:

Music Organizations and Ensembles: MUS ENS 5xxx (530:1xxg) *		4
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MUSIC 6299 (520:299)	Research	2
Applied Music:		12

Select one of the following:

MUS APPL 6210 (540:221)	Instrumental Conducting	
MUS APPL 6220 (540:222)	Choral Conducting	

Performance Literature and Repertory:

Select one of the following:		3
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MUS LIT 3310/5310 (595:131g)	History and Literature of Large Choral Forms	
MUS LIT 3400/5400 (595:140g)	History and Literature of the Orchestra	

List of Programs by Department

MUS LIT 3420/5420 (595:142g)	History and Literature of the Wind Band	
Music Electives: as approved by advisor:		3
Recital:		
MUS APPL 6880 (540:288)	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 and application for graduate admission can be found at www.grad.uni.edu/admission.

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 200/6000-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 6100 (580:210)	Analytical Techniques I	3
MUS THEO 6110 (580:211)	Analytical Techniques II	3
Music History and Musicology:		
MUS HIST 6220 (590:222)	Research and Writing in Music	3
Select one from the following:		3
MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	
MUS HIST 3110/5110 (590:111g)	Music History--Baroque	
MUS HIST 3120/5120 (590:112g)	Music History--Classic	

MUS HIST 3140/5140 (590:114g)	Music History--Romantic	
MUS HIST 3150/5150 (590:115g)	Music History--20th Century	
Specialization:		
Music Techniques:		4
MUS ED 6520 (570:252)	Jazz Pedagogy	
Music Theory:		5
MUS THEO 3270/5270 (580:127g)	Jazz Arranging I	
MUS THEO 3280/5280 (580:128g)	Jazz Arranging II	
MUS THEO 3320/5320 (580:132g)	Jazz Composition Class	
Music, Organizations and Ensembles: *		8
MUS ENS 3160/5160 (530:116g)	Jazz Band (combos)	
Research:		
MUS TECH 6299 (560:299)	Research	2
Music electives:		
Select 5 hours of electives from the following:		5
Applied Music:		
MUS APPL 3400/5400 (540:140g)	Percussion	
MUS APPL 3530/5530 (540:153g)	Jazz Guitar	
MUS APPL 3560/5560 (540:156g)	Jazz Bass	
MUS APPL 3570/5570 (540:157g)	Jazz Piano	
Music Theory:		
MUS THEO 3220/5220 (580:122g)	Music and Technology	
Music History and Musicology:		
MUS HIST 3600/5600 (590:160g)	Jazz History and Styles (preferred)	
Recital:		
MUS APPL 6880 (540:288)	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 and application for graduate admission can be found at www.grad.uni.edu/admission.

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 200/6000-level course work is required for the thesis option and a minimum of 12 semester hours of 200/6000-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 6100 (580:210)	Analytical Techniques I	3
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MUS THEO 6110 (580:211)	Analytical Techniques II	3
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Music History and Musicology:

MUS HIST 6220 (590:222)	Research and Writing in Music	3
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Select one from the following:		3
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MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	
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MUS HIST 3110/5110 (590:111g)	Music History--Baroque	
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MUS HIST 3120/5120 (590:112g)	Music History--Classic	
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MUS HIST 3140/5140 (590:114g)	Music History--Romantic	
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MUS HIST 3150/5150 (590:115g)	Music History--20th Century	
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Music Education core:

Research in Music Education and Methods:

MUS ED 6210 (570:221)	Research Methodology in Music Education	3
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Research:

MUS ED 6299 (570:299)	Research	3 or 6
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Thesis option (6 hrs.), contingent on availability of faculty.

Non-thesis option (3 hrs.)

Music Education and Methods:

MUS ED 3450/5450 (570:145g)	Developments and Trends in Music Education	3
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MUS ED 6300 (570:230)	Foundations of Music Education	3
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MUS ED 6820 (570:282)	Seminar: Music Learning and Behavior	3
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Music Education electives as approved by music education faculty:		3 or 6
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Select from the following:

MUS ENS 5xxx (530:1xxg) (1-2 hrs.)		
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MUS APPL 5xxx (540:1xxg) (1-4 hrs.),		
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MUS TECH 3210/5210 (560:121g)	Conducting III--Instrumental	
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MUS TECH 3350/5350 (560:135g)	Accompanying
MUS ED 3300/5300 (570:130g)	Vocal Pedagogy
MUS TECH 3500/5500	Instrumental Jazz Improvisation - Theory
MUS TECH 3530/5530	Instrumental Jazz Improvisation I
MUS TECH 3550/5550	Instrumental Jazz Improvisation II
MUS ED 3970/5970 (570:197g)	Instrumental Upkeep and Repair
MUS ED 6870 (570:287)	Measurement and Evaluation in Music
MUS ED 6550 (570:255)	School Music Administration and Classroom Management
MUS THEO 3270/5270 (580:127g)	Jazz Arranging I
MUS HIST 3510/5510 (590:151g)	Music of World Cultures
MUS LIT 3310/5310 (595:131g)	History and Literature of Large Choral Forms
MUS LIT 3400/5400 (595:140g)	History and Literature of the Orchestra
MUS LIT 3420/5420 (595:142g)	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 (530:xxx) and 4 hours of applied music MUS APPL xxxx (540:xxx) 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 and application for graduate admission can be found at www.grad.uni.edu/admission.

This major is offered on the **thesis** option only, and requires a **minimum of 31 semester hours. A minimum of 15 semester hours of 200/6000-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 6100 (580:210)	Analytical Techniques I	3
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MUS THEO 6110 (580:211)	Analytical Techniques II	3
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Music History and Musicology:

MUS HIST 6220 (590:222)	Research and Writing in Music	3
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Select one of the following:		3
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List of Programs by Department

MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	
MUS HIST 3110/5110 (590:111g)	Music History--Baroque	
MUS HIST 3120/5120 (590:112g)	Music History--Classic	
MUS HIST 3140/5140 (590:114g)	Music History--Romantic	
MUS HIST 3150/5150 (590:115g)	Music History--20th Century	
Specialization:		
Music History and Musicology:		12
MUS HIST 6299 (590:299)	Research (research for thesis - 6 hrs.)	
MUS HIST 5xxx (590:1xx) (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 and application for graduate admission can be found at www.grad.uni.edu/admission.

This major is offered on the **thesis/recital** option only, and requires a **minimum of 32-36 semester hours (depending on specialization chosen)**. A **minimum of 15 semester hours of 200/6000-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 6100 (580:210)	Analytical Techniques I	3
MUS THEO 6110 (580:211)	Analytical Techniques II	3
Music History and Musicology:		
MUS HIST 6220 (590:222)	Research and Writing in Music	3
Select one from the following:		3
MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	
MUS HIST 3110/5110 (590:111g)	Music History--Baroque	
MUS HIST 3120/5120 (590:112g)	Music History--Classic	
MUS HIST 3140/5140 (590:114g)	Music History--Romantic	
MUS HIST 3150/5150 (590:115g)	Music History--20th Century	
Recital:		

MUS APPL 6880 (540:288)	Graduate Recital	0
Specialization: (choose A,B, or C)		20-24
Total Hours		32-36

Specialization:

A. Wind, Percussion, Keyboard or Strings

Music Ensemble: MUS ENS 5xxx (530:1xxg) **		2-4
Applied Music: MUS APPL 6xxx (540:2xx) (variable)		10
Performance Literature and Repertory: *		2-4
MUS LIT 3200/5200 (595:120g)	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 (530:119g) & MUS ENS 3100/5100 (530:110g)	Opera and Chorus **	
Applied Music:		8
MUS APPL 6490 (540:249)	Voice	
Music Techniques:		8
MUS TECH 3450/5450 (560:145g)	Vocal Coaching	
MUS TECH 3610/5610 (560:161g)	Opera Performance II	
MUS TECH 6230 (560:223)	Advanced Vocal Performance	
Performance Literature and Repertory:		4
MUS LIT 3200/5200 (595:120g)	Performance Literature:	
Music Education and Methods:		2
MUS ED 3300/5300 (570:130g)	Vocal Pedagogy	
Total Hours		24

C. Multiple Woodwind

Music Ensemble: MUS ENS 5xxx (530:1xxg) **		2
Applied Music:		
MUS APPL 6xxx (540:2xx) (primary instrument)		6
MUS APPL 5xxx (540:1xxg) (secondary instrument)		4
Performance Literature and Repertory:		
MUS LIT 3200/5200 (595:120g)	Performance Literature: _____ (section 09, 10, or 12)	2
Instrumental Pedagogy:		2-6
MUS ED 3380/5380 (570:138g)	Instrumental Pedagogy	
Music electives: ***		4
Total Hours		20-24

* 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 ensemble MUS ENS 3170/5170 (530:117g) 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:

- Two consecutive semesters (fall/spring) of residency with fulltime status (minimum of 9 graduate hours per semester);
- Performance recital of at least sixty (60) minutes in length;
- Recital abstract;
- Two successful applied jury examinations (grades B or higher);
- Voice specialization must:
 - Demonstrate diction proficiency (by diagnostic examination) in English, Italian, German, and French. Otherwise one must successfully complete MUS TECH 1300 (560:030) /MUS TECH 1320 (560:032) and/or MUS TECH 1310 (560:031) /MUS TECH 1330 (560:033) .
 - 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.
- Students are required to enroll in applied music in their performance area during the semester they present their recital.
- Multiple Woodwind specialization must:
 - Demonstrate proficiency on a third woodwind instrument (flute, oboe, clarinet, bassoon, or saxophone).
 - Students studying bassoon as one of the three required instruments must take at least one hour of Double Reed Making MUS TECH 3100/5100 (560:110g) Section 1: Bassoon. Students studying oboe as one of the three required instruments must take at least one hour of Double Reed Making MUS TECH 3100/5100 (560:110g) Section 2: Oboe.
 - Students must perform on at least two of the 5 woodwind instruments listed above on the graduate recital.
 - Students studying flute as the primary or secondary instrument must take MUS ED 3380/5380 (570:138g) Instrumental Pedagogy: Flute.
 - Students studying clarinet as the primary or secondary instrument must take MUS ED 3380/5380 (570:138g) Instrumental Pedagogy: Clarinet. All students on this specialization must take MUS ED 3380/5380 (570:138g) Instrumental Pedagogy: Woodwinds.

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 and application for graduate admission can be found at www.grad.uni.edu/admission.

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 200/6000-level course work is required of all majors enrolled for the thesis/full recital option. A minimum of 12 semester hours of 200/6000-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 6100 (580:210)	Analytical Techniques I	3
MUS THEO 6110 (580:211)	Analytical Techniques II	3

Music History:

MUS HIST 6220 (590:222)	Research and Writing in Music	3
Select one from the following:		3

MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance
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MUS HIST 3110/5110 (590:111g)	Music History--Baroque
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MUS HIST 3120/5120 (590:112g)	Music History--Classic
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MUS HIST 3140/5140 (590:114g)	Music History--Romantic
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MUS HIST 3150/5150 (590:115g)	Music History--20th Century
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Piano performance:

Applied Music:	6
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MUS APPL 6460 (540:246)	Piano
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Music Literature:	4
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MUS LIT 3200/5200 (595:120g)	Performance Literature: _____ (Piano I)
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MUS LIT 3200/5200 (595:120g)	Performance Literature: _____ (Piano II)
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Piano pedagogy:

Music Education and Methods:	10
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MUS ED 3480/5480 (570:148g)	Piano Pedagogy: Elementary
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MUS ED 3495/5495	Music Learning and Motivation
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MUS ED 6570 (570:257)	Piano Pedagogy: Intermediate
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MUS ED 6580 (570:258)	Piano Pedagogy: Group and Adult
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MUS ED 6600 (570:260)	Piano Pedagogy: Internship
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Recital:

List of Programs by Department

MUS APPL 6880 (540:288)	Graduate Recital	0
Electives		
Select 2 hours from the Recommended List:		2
MUS ENS 3120/5120 (530:112g)	Ensemble	
MUS APPL 6460 (540:246)	Piano	
MUS TECH 3350/5350 (560:135g)	Accompanying	
MUS ED 6500 (570:250)	Projects in Music Education	
MUS ED 6600 (570:260)	Piano Pedagogy: Internship	
MUS ED 6285 (570:285)	Readings	
MUS THEO 3220/5220 (580:122g)	Music and Technology	
MUS ED 6299 (570:299)	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 14 hours in the following program:

Required

Applied Music: MUS APPL 6xxx (540:2xx)		6
Ensemble, or chamber ensemble, or opera performance, or accompanying:		2
Electives in music *		6
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		14

* Courses must be selected from 100g/5000-level and 200/6000-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 28 hours in the following program:

Required

Applied Music: MUS APPL 6xxx (540:2xx):		12
Ensemble, or chamber ensemble, or opera performance, or collaborative playing:		4
Electives in music *		12
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		28

* (Courses must be selected from 100g/5000-level and 200/6000-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 Philosophy and World Religions

(College of Humanities, Arts and Sciences)

www.uni.edu/phlrel

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
- Study of Religion

Minors

- Ethics
- Philosophy
- Religion

Bachelor of Arts Degree Programs Majors

Philosophy Major

The Philosophy major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 analyzing evaluation, writing and constructing arguments.

Courses that support Learning Goal 1:

Logical Reasoning

Required:		
PHIL 1030 (650:045)	Elementary Logic	3

Reading for Arguments and Assumptions

Two courses from the following: 6

PHIL 2140	Philosophy of Religion
PHIL 3310 (650:153g)	Philosophy of Mind
PHIL 3320 (650:172)	Society, Politics, and the Person
PHIL 3330	Death, Sex and the Body: Phenomenology and Foucault
PHIL 3350	Theories of Knowledge
PHIL 3610	Nietzsche, Nihilism, and Technology
PHIL 3620	Philosophy of Language: Wittgenstein

Analytic Writing

Two analytic writing courses from the following:

PHIL 2120	Philosophy of Art
PHIL 2140	Philosophy of Religion
PHIL 3310 (650:153g)	Philosophy of Mind
PHIL 3330	Death, Sex and the Body: Phenomenology and Foucault
PHIL 3340	Existentialism
PHIL/RELS 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics
PHIL 3610	Nietzsche, Nihilism, and Technology

List of Programs by Department

PHIL 3620	Philosophy of Language: Wittgenstein
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On a semester-by-semester basis, other courses will occasionally count toward meeting this requirement. Check the "notes" posted to list of course offerings for a given semester; if "writing enhanced" appears there, then this specific course will count toward meeting this requirement.

Learning Goal 2: Ethical Reasoning: Philosophy majors will use their understanding of ethical theories to think through moral problems in a principled and systematic way.

Courses that support Learning Goal 2:

Required:

PHIL 2500	Ethics	3
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Although not required, students are free to take any of the following courses in applied ethics as electives, but no more than two courses (6 hours) can be counted toward fulfilling the Philosophy major:

PHIL 1520	Reasoning About Moral Problems [*]
PHIL/RELS 1540	Ethics in Business [*]
PHIL/RELS 2550	Environmental Ethics [*]
PHIL/RELS 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying ^{*,^}
PHIL/RELS 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics ^{*,^}
PHIL 3680	Marxisms [*]
PHIL 4550	Ethics Practicum [*]
PHIL/RELS 2570	Good Sex: The Ethics of Human Sexuality [*]

^{*} Courses followed by asterisk (*) count toward the Ethics minor (15-hour minor).

[^] Courses followed by ^ fulfill the Liberal Arts Core Capstone requirement.

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: three course from the following: 9

PHIL 2210	Dawn of Western Thought: Ancient Philosophy
PHIL 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: (two courses from the following) 6

PHIL 3310 (650:153g)	Philosophy of Mind
PHIL 3330	Death, Sex and the Body: Phenomenology and Foucault
PHIL/RELS 3340	Existentialism
PHIL 3610	Nietzsche, Nihilism, and Technology

B. Basic Human Practices

Required:

Two courses from the following. At least one of these courses must be "analytical philosophy": either PHIL 3350 or PHIL 3620. (Taking both of these courses will completely satisfy this requirement.) 6

PHIL 2120	Philosophy of Art
PHIL 2130	Philosophy of Science
PHIL 2140	Philosophy of Religion
PHIL 3320 (650:172)	Society, Politics, and the Person [*]
PHIL 3350	Theories of Knowledge
PHIL 3620	Philosophy of Language: Wittgenstein

^{*} Courses followed by asterisk (*) count toward the Ethics minor (15-hour minor).

Learning Goal 5: Philosophy majors will be able to relate their major to their career and to their future goals.

Required:

PHIL 4490	Senior Seminar	3
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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.

Additional electives in Philosophy:

PHIL 1020 (650:021)	Philosophy: The Art of Thinking
PHIL 4080	Individual Readings in Philosophy
PHIL 4186	Studies in Philosophy

Total hours 36

Study of Religion Major

The Study of Religion major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 empathetically on the subject.

Courses support Learning Goal 1:

A. Religion and Culture

Required: one course from the following: 3

RELS/PHIL 3110/CAP 3194 Perspectives on Death and Dying

RELS 3150 Women and Christianity *

RELS 3310/HUM 3138 Malcolm, Martin, and Justice (680:138)

RELS 3320 (640:140) Black Liberation and the Black Church

RELS 3500 (640:171) Religion and Ethics

RELS 4230/5230 (640:117g) 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 2140 Philosophy of Religion *

RELS 3120 Myth and Symbol

RELS 3140 Religion and Its Critics *

RELS 3170 Why We Believe *

RELS 3340 Existentialism *

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 (640:030) What is Religion?

RELS 2225 Meditation and Mystical Experience

RELS 2220 Faith and Reason: Philosophy in the Middle Ages

RELS 3160 Religion and Society *

RELS 3180 Religion and Politics: (Topics)

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 Senior 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:

RELS 1020 (640:024) Religions of the World

RELS 1510 (640:040) Religion, Ethics, and Film

RELS/ANTH 2401 Tribal Religions

RELS 3080/5080 (640:189g) Individual Readings in Religion

RELS/ANTH 3103 Religion, Magic, and Witchcraft

List of Programs by Department

RELS/CAP 3157	Monsters, Vampires, and Religion: An Awesome Alliance
RELS 4186/5186 (640:186g)	Studies in Religion
RELS/PHIL 4550	Ethics Practicum
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 (CAP:173)	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 (640:171)	Religion and Ethics
Philosophy:	3
PHIL 2500	Ethics (has a prerequisite of one course in Philosophy)
Select one of the following:	3
Study of Religion:	
RELS 1020 (640:024)	Religions of the World
RELS 1510 (640:040)	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 (650:021)	Philosophy: The Art of Thinking
PHIL 1520	Reasoning About Moral Problems
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 (CAP:173)	Bio-Medical Ethics (Can also count as an elective, but not as both)
PHIL 2570	Good Sex: The Ethics of Human Sexuality (Can also count as an elective, but not as both.)
Management:	
MGMT 3974/5974 (150:174g)	Business, Ethics, and Society (Can also count as an elective, but not as both) *
Electives: select one of the following:	
3	
Business:	
MGMT 3100 (150:100)	Legal and Social Environment of Business (Can also count as an elective, but not as both)
Communications:	
COMM 4447/5447 (48C:108g)	Performance and Social Change
COMM 4217/5217 (48C:176g)	Freedom of Speech
COMM 4236/CAP 3128 (CAP:128)	Ethics in Communication
Special Education:	
SPED 4180/5180	Interdisciplinary Study of Disability
History:	
HISUS 4170/5170	U.S. Environmental History
HISUS 4260/5260 (961:146g)	United States Women's History
CAP 3131 (CAP:131)	Analysis of Social Issues
Study of Religion:	
RELS 3140	Religion and Its Critics
Philosophy:	
PHIL 3320 (650:172)	Society, Politics, and the Person
PHIL 3610	Nietzsche, Nihilism, and Technology
PHIL 3680	Marxisms
Philosophy or Study of Religion:	
RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying
RELS/PHIL 3340	Existentialism
RELS/PHIL 4550	Ethics Practicum
Political Science:	
POL COMP 3125 (944:125)	Politics of Nonviolence
POL THRY 3160 (941:160)	Classical Political Theory
POL THRY 3161 (941:161)	Modern Political Theory
Psychology:	
PSYCH 2201 (400:060)	Psychology of Gender *
PSYCH 2203 (400:160)	Social Psychology *
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences *
Sociology:	

CAP/SOC 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 (CAP:140)	Environment, Technology, and Society	
Total Hours		15

* *These courses have additional prerequisites as follows:
 MGMT 3974/5974 (150:174g) has a prerequisite of MGMT 3100 (150:100).
 PSYCH 2201 (400:060) has a prerequisite of PSYCH 1001 (400:001).
 PSYCH 2203 (400:160) has a prerequisite of PSYCH 1001 (400:001).
 PSYCH 3404/5404 (400:106g) has a prerequisite of PSYCH 1001 (400:001).
 CRIM 3314 has a prerequisite of SOC 1000 (980:001); CRIM 2022 (982:022).

Philosophy Minor

Required

Philosophy:		
PHIL 1020 (650:021)	Philosophy: The Art of Thinking	3
Two courses in history of philosophy series		6
Electives in philosophy		12
Total Hours		21

Religion Minor

Required:

RELS 1020 (640:024)	Religions of the World	3
Electives: 15 hours of RELS xxxx courses		15
Total Hours		18

Department of Physics

(College of Humanities, Arts and Sciences)

www.physics.uni.edu

The Department of Physics offers the following undergraduate and graduate programs. Specific requirements for these programs are listed within this Department of Physics section in the following order:

Undergraduate Major (B.S.)

- Physics

Undergraduate Major (B.A.)

- Physics
- Physics-Teaching

Minors

- Nanoscience and Nanotechnology
- Physics

Program Certificate

- Physics Teaching

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.

Bachelor of Science Degree Program

Emphasis-B.S. Physics Major Honors Research

Emphasis-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 (880:180) 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 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 126 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 (800:060)	Calculus I	4
MATH 1421 (800:061)	Calculus II	4
MATH 2422 (800:062)	Calculus III	4
Physics:		
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701 (880:130)	Physics I for Science and Engineering	4
PHYSICS 1702 (880:131)	Physics II for Science and Engineering	4
PHYSICS 2300 (880:132)	Physics III: Theory and Simulation	3
PHYSICS 2700	Mathematical Methods of Physics	3
PHYSICS 3000 (880:180)	Undergraduate Research in Physics	2
or PHYSICS 3500 (880:184)	Internship in Applied Physics	
PHYSICS 3700 (880:187)	Physics Seminar	1
PHYSICS 4100/5100 (880:137g)	Modern Physics	4

List of Programs by Department

PHYSICS 4110/5110 (880:138g)	Modern Physics Laboratory	2
PHYSICS 4300/5300 (880:152g)	Introduction to Electronics	4
PHYSICS 4600/5600 (880:166g)	Classical Mechanics	4
PHYSICS 4860/5860 (880:150g)	Computational Physics	3
PHYSICS 4900/5900 (880:136g)	Thermodynamics and Statistical Mechanics	4
Electives		
Physics, Natural Science, or Math Electives *		8
Total Hours		59

* Students have the option to design an area of professional concentration by the appropriate choice of elective courses in Physics (or another Natural Science), or Mathematics. 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.

Bachelor of Arts Degree Program

Emphasis-B.A. Physics Major-Teaching Honors Research

Emphasis-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 (880:180) Undergraduate Research in Physics and then 1 credit hour of PHYSICS 4990 Senior Thesis.

Physics Major

The B.A. Physics Major requires a minimum of 120 hours to graduate. The B.A. Physics Major is suitable for a student seeking a background in physics with less specialization and mathematical rigor than in the B.S. degree in physics. It is especially appropriate for students with interdisciplinary interests who intend to pursue a career in, for example, computer science, medicine, earth/environmental science, business, or law. It requires fewer courses in physics and mathematics than the B.S. major programs and provides an opportunity to take courses in other science areas of interest.

Physics:		
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701 (880:130)	Physics I for Science and Engineering	4
PHYSICS 1702 (880:131)	Physics II for Science and Engineering	4
PHYSICS 2300 (880:132)	Physics III: Theory and Simulation	3
PHYSICS 4100/5100 (880:137g)	Modern Physics	4
PHYSICS 4110/5110 (880:138g)	Modern Physics Laboratory	2
Mathematics:		
MATH 1420 (800:060)	Calculus I	4
MATH 1421 (800:061)	Calculus II	4

Electives:

Physics:	7
3000-level and above	
No more than 2 hours of PHYSICS 3000 (880:180)	
Courses from the departments of Biology (BIOL), Chemistry and Biochemistry (CHEM), Computer Science (CS), Earth Science and Environmental Sciences (EARTHSCI, ENV SCI), Mathematics (MATH, STAT, ACT SCI), Physics (PHYSICS), or Technology (TECH)	9
Elective courses must count toward a major in the department that offers the course.	
Mathematics courses must be higher level than MATH 1421 (800:061).	
Total Hours	42

Physics Major-Teaching

The B.A. Physics major in teaching requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Mathematics:		
MATH 1420 (800:060)	Calculus I	4
MATH 1421 (800:061)	Calculus II	4
Science and Science Education:		
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	4
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
Teaching:		
TEACHING 3129	Secondary and Special-Area Classroom Management	1
Physics:		
PHYSICS 1100	First-Year Projects in Physics	1
PHYSICS 1701 (880:130)	Physics I for Science and Engineering	4
PHYSICS 1702 (880:131)	Physics II for Science and Engineering	4
PHYSICS 2300 (880:132)	Physics III: Theory and Simulation	3
PHYSICS 4080/5080	Resources for Teaching Physics	2
PHYSICS 4100/5100 (880:137g)	Modern Physics	4
PHYSICS 4110/5110 (880:138g)	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* (800:060).

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

Nanoscience and Nanotechnology Minor

Required

Chemistry and Biochemistry: 5-8

Select one of the following:

CHEM 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II	
CHEM 1130 (860:070)	General Chemistry I-II	
Physics:		
PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130)	General Physics I Physics I for Science and Engineering	4
PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131)	General Physics II Physics II for Science and Engineering	4
PHYSICS 4200/5200 (880:144g) or CHEM 4200/5200 (860:144g)	Nanoscience	3
PHYSICS 4210/5210 (880:148g) or CHEM 4210/5210 (860:148g)	Nanotechnology	3

Total Hours 19-22

Physics Minor

Required

Physics:

Select one of the following: 8

PHYSICS 1511 (880:054) & PHYSICS 1512 (880:056)	General Physics I and General Physics II (required)	
PHYSICS 1701 (880:130) & PHYSICS 1702 (880:131)	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 (880:180)	Undergraduate Research in Physics (and/or)
PHYSICS 4450/5450 (880:185g)	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 following majors meets the requirements of the State of Iowa Grades 5-12 Physics Teaching Endorsement.

Required:

Physics:		
PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130)	General Physics I Physics I for Science and Engineering	4
PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131)	General Physics II Physics II for Science and Engineering	4
PHYSICS 4080/5080	Resources for Teaching Physics	2

Science Education:		
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	3

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 All Science Teaching, Middle/Junior High School Science Teaching, Biology Teaching, and Earth Science Teaching must select five hours from the following:

PHYSICS 1100	First-Year Projects in Physics	
PHYSICS 1800 (880:080)	Projects in Basic Robotics and Sensors	
PHYSICS 2300 (880:132)	Physics III: Theory and Simulation	
PHYSICS 3000 (880:180)	Undergraduate Research in Physics *	
PHYSICS 4050/5050 (880:140g)	Optical Science	
PHYSICS 4100/5100 (880:137g)	Modern Physics	
PHYSICS 4110/5110 (880:138g)	Modern Physics Laboratory	
PHYSICS 4200/5200 (880:144g)	Nanoscience	
PHYSICS 4210/5210 (880:148g)	Nanotechnology	
PHYSICS 4290/5290	Project Lead The Way: Digital Electronics	
PHYSICS 4300/5300 (880:152g)	Introduction to Electronics	

Total Hours 16-18

List of Programs by Department

* 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 (also listed in Department of Communication Studies)
- Political Science-Liberal Arts
- Public Administration

Minors

- International Affairs-Liberal Arts
- Political Science-Liberal Arts
- Politics and Law

Graduate Majors (M.P.P.)

- Master of Public Policy

Program Certificates

- International Peace and Security
- Graduate Certificate in Public Administration
- Public Personnel & Human Resources
- State and Local Government

Bachelor of Arts Degree Programs

Political Communication Major

The Political Communication major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required core

Communication Studies:		
COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	3
COMM 4216/5216 (48C:160g)	Political Communication	3
or POL AMER 4160/5160	Political Communication	
COMM 4444/5444 (48C:155g)	Communication, Community, and Change	3
COMM COR 1010 (48J:002)	Mass Communication and Society	3
Political Science:		
POL AMER 1014 (942:014)	Introduction to American Politics *	3
POL AMER 3112 (942:112)	Campaigns and Elections	3

POL AMER 3150 (942:150)	Public Opinion and Voting Behavior	3
Methodology:		
Select one of the following from Communication Studies/Political Science:		3
COMM COR 2020 (48C:080)	Communication Research Methods *	
COMM 4023/5023 (48C:189g)	Rhetorical Research Methods *	
POL GEN 2010 (940:010)	Analyzing Politics	
Internship in Communication Studies/Political Science:		3
COMM 3900/5900 (48C:197g)	Internship in Communication	
POL GEN 3181 (940:181)	Internship in Politics *	
Electives (choose two courses from Communication Studies and two courses from Political Science from the following list):		12
Communication Studies:		
COMM 2257 (48C:074)	Argumentation and Debate *	
COMM 3055 (48C:132)	Organizational Communication *	
COMM 4217/5217 (48C:176g)	Freedom of Speech	
COMM 4218 (48C:178)	Persuasion	
COMM 4333/5333 (48C:148g)	Communication and Conflict Management *	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	
COMM DM 1611	Digital Media Literacies	
COMM DM 4612/5612	Digital Media: Processes and Effects	
COMM DM 4630/5630	Journalism, Law, and Ethics	
COMM DM 4644/5644	Global Mass Communication Systems	
COMM PR 1811 (48P:005)	Principles of Public Relations *	
Political Science:		
POL AMER 2131 (942:131)	American State Politics	
POL AMER 3132 (942:132)	Community Politics	
POL AMER 3134 (942:134)	Legislative Politics *	
POL AMER 3144 (942:144)	Civil Rights and Liberties	
POL AMER 3151 (942:151)	Modern Presidency *	
POL AMER 3166 (942:166)	Political Parties and Interest Groups *	
POL AMER 4143/5143 (942:143g)	Citizen Participation and Civic Engagement	
POL AMER 4177/5177 (942:177g)	Political Psychology	
POL INTL 3126 (943:126)	Human Rights	
POL INTL 3143 (943:143)	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 (942:014) satisfies Category 5B of the Liberal Arts Core.
 COMM COR 2020 (48C:080), COMM 2257 (48C:074), and COMM 3055 (48C:132) have prerequisite of COMM 1000 (48C:001). COMM 1000 (48C:001) satisfies Category 1B of the Liberal Arts Core.
 POL GEN 3181 (940:181) has prerequisites of POL GEN 2010 (940:010); 15 hours of Political Science, Political Communication, or Public Administration major.
 COMM 4023/5023 (48C:189g) has prerequisite of COMM COR 2020 (48C:080) but will be waived for Political Communication majors.
 COMM 4333/5333 (48C:148g) has a prerequisite of COMM 2344 (48C:004).
 COMM DM 4612/5612 has prerequisite of COMM COR 2020 or consent of instructor.
 COMM DM 4644/5644 has prerequisite of COMM COR 1010 (48J:002).
 COMM PR 1811 (48P:005) has prerequisites of COMM 1000 (48C:001) and ENGLISH 1005 (620:005).
 COMM 1000 (48C:001) satisfies Category 1B of the Liberal Arts Core.
 POL AMER 3134 (942:134), POL AMER 3151 (942:151), and POL AMER 3166 (942:166) have prerequisite of POL AMER 1014 (942:014). POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core.

Political Science Major-Liberal Arts

The Political Science-Liberal Arts major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Political Science:		
POL GEN 2010 (940:010)	Analyzing Politics	3
POL THRY 1050 (941:050)	Introduction to Political Theory: Freedom, Justice and Power	3
POL AMER 1014 (942:014)	Introduction to American Politics *	3
POL INTL 1024 (943:024)	International Relations *	3
POL COMP 1040 (944:040)	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 (941:1xx)]		3
American Politics [POL AMER 3xxx/4xxx (942:1xx)]		3
International Relations [POL INTL 3xxx/4xxx (943:1xx)]		3
Comparative Politics [POL COMP 3xxx/4xxx (944:1xx)]		3
Students must take one Senior Seminar in Political Science:		
POL GEN 3184 (940:184)	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 Politics and Law minor may also be counted for credit on this major.

- * POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core. POL INTL 1024 (943:024) satisfies Category 5C of the Liberal Arts Core.

Public Administration Major

The Public Administration major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

Political Science:		
POL GEN 2010 (940:010)	Analyzing Politics	3
POL GEN 3111 (940:111)	Introduction to Quantitative Methods in Political Science	3
POL AMER 1014 (942:014)	Introduction to American Politics *	3
POL AMER 1048 (942:048)	Introduction to Public Administration	3
POL AMER 3172/5172 (942:172)	Public Budgeting *	3
POL AMER 3174 (942:174)	Public Personnel Administration *	3
POL AMER 4153/5153 (942:153g)	Public Organizations *	3
POL AMER 4173 (942:173g)	The Public Policy Process *	3
POL AMER 4188/5188 (942:188g)	Seminar in Public Administration *	3
Internship:		
POL GEN 3181 (940:181)	Internship in Politics *	3-8
Electives: Select at least 6 hours of the following:		6

Political Science:

POL AMER 2131 (942:131)	American State Politics
POL AMER 3112 (942:112)	Campaigns and Elections
POL AMER 3132 (942:132)	Community Politics
POL AMER 3151 (942:151)	Modern Presidency *
POL AMER 4130/5130 (942:130g)	Iowa Politics
POL AMER 4176/5176 (942:176g)	Topics in Public Policy

Economics:

ECON 1041 (920:053)	Principles of Macroeconomics
ECON 1051 (920:054)	Principles of Microeconomics
ECON 3221/5221 (920:117g)	Public Finance *
ECON 3229/5229 (920:125g)	Cost-Benefit Analysis *
ECON 3245/5245 (920:136g)	International Economics *
ECON 3253/5253 (920:148g)	Urban and Regional Economics *

Total Hours 36-41

List of Programs by Department

* These courses have additional prerequisites as follows:
 POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core.
 POL AMER 3172/5172 (942:172), POL AMER 3174 (942:174), POL AMER 4153/5153 (942:153g) and POL AMER 4173 (942:173g) have prerequisites of POL AMER 1014 (942:014) and POL AMER 1048 (942:048).
 POL AMER 4188/5188 (942:188g) has a prerequisite of POL AMER 1048 (942:048).
 POL GEN 3181 (940:181) has prerequisites of POL GEN 2010 (940:010); 15 hours of Political Science; Political Science, Political Communication, or Public Administration major; junior standing and consent of department.
 POL AMER 3151 (942:151) has a prerequisite of POL AMER 1014 (942:014).
 ECON 3221/5221 (920:117g), ECON 3229/5229 (920:125g), ECON 3245/5245 (920:136g) and ECON 3253/5253 (920:148g) have prerequisites of ECON 1041 (920:053) and ECON 1051 (920:054). **Both** ECON 1041 (920:053) **and** ECON 1051 (920:054) may substitute for *ECON 1031 (920:024)* which will satisfy Category 5B of the Liberal Arts Core.
 ECON 1051 (920:054) has prerequisite of ECON 1041 (920:053).

Minors

International Affairs Minor-Liberal Arts

The International Affairs minor is composed of 21 hours in political science and related disciplines. The requirements are as follows:

Required

Political Science:		
POL INTL 1024 (943:024)	International Relations *	3
POL COMP 1040 (944:040)	Comparative Politics	3
Select at least two of the following:		6
Political Science:		
POL COMP 3121 (944:121)	Terrorism and Insurgency	
POL COMP 3123 (944:123)	Nationalism	
POL COMP 3125 (944:125)	Politics of Nonviolence	
POL INTL 3120 (943:120)	International Security	
POL INTL 3126 (943:126)	Human Rights	
POL INTL 3127 (943:127)	United States Foreign Policy	
POL INTL 3143 (943:143)	International Law	
POL INTL 3145 (943:145)	International Organizations	
POL INTL 4119/5119 (943:119g)	Politics of the Global Economy	
POL INTL 4125/5125 (943:125g)	North-South Relations	
Economics: ^		
ECON 3245/5245 (920:136g)	International Economics ^	
Select at least one of the following:		3
Political Science:		
POL COMP 3135 (944:135)	Politics in Europe	
POL COMP 3162 (944:162)	Politics of East Asia	

POL COMP 3164 (944:164)	Russian and Eurasian Politics
POL COMP 3165 (944:165)	African Politics
POL COMP 3167 (944:167)	Latin American Politics
Select two of the following, any additional electives from the courses listed above, or those listed below: **	6
Communication:	
COMM 4344/5344 (48C:151g)	Intercultural Communication
Journalism:	
COMM DM 4644/5644	Global Mass Communication Systems
French:	
FREN 3011/5011 (720:111g)	Business French ^
FREN 4014/5014 (720:114g)	The World of French Business ^
FREN 4021/5021 (720:121g)	Special Topics in Language and Culture ^
Spanish:	
SPAN 3020 (780:120)	Latin American Culture and Civilization ^
SPAN 3023 (780:123)	Culture and Civilization of Spain ^
Economics: ^	
ECON 3249/5249 (920:143g)	Economic Development ^
ECON 3261/5261 (920:175g)	International Financial Economics ^
History:	
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present
HISEUB 4620/5620 (963:174g)	History of Modern France
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648
HISEUB 4660/5660 (963:169g)	History of Imperial Russia
HISEUB 4670/5670 (963:170g)	History of Soviet Russia
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present
HISNW 4720/5720 (964:180g)	Modern Latin American History
HISNW 4740/5740 (964:175g)	Modern African History
HISNW 4840/5840 (964:182g)	Modern South Asia
HISNW 4860/5860 (964:187g)	Modern Chinese History
Geography:	
GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic)
Sociology/Anthropology:	
SOC 3001 (980:177)	Language and Culture ^

or ANTH 3001 (990:177) Language and Culture	
Total hours ***	21

- * POL INTL 1024 (943:024) satisfies Category 5C of the Liberal Arts Core.
- ** 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 (48J:002). FREN 3011/5011 (720:111g), FREN 4014/5014 (720:114g), and FREN 4021/5021 (720:121g) have prerequisite of FREN 3001/5001 (720:101g). SPAN 3020 (780:120) and SPAN 3023 (780:123) have prerequisite of SPAN 3001 (780:101) or SPAN 3050/5050 (780:150g). ECON 1041 (920:053) and ECON 1051 (920:054) are prerequisites to all 100/2000/3000/4000-level economics courses. Either *ECON 1031 (920:024)* or **both** ECON 1041 (920:053) **and** ECON 1051 (920:054) will satisfy Category 5B of the Liberal Arts Core. SOC 3001 (980:177)/ANTH 3001 (990:177) and ANTH 3441/5441 (990:162g) have prerequisite of *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*, either of which will satisfy Category 5A of the Liberal Arts Core.

Note: Choice of courses and subsequent course prerequisites may increase the length of this program.

Political Science Minor-Liberal Arts

Required

Political Science:		
POL GEN 2010 (940:010)	Analyzing Politics	3
POL THRY 1050 (941:050)	Introduction to Political Theory: Freedom, Justice and Power	3
POL AMER 1014 (942:014)	Introduction to American Politics *	3
POL INTL 1024 (943:024)	International Relations *	3
POL COMP 1040 (944:040)	Comparative Politics	3
Electives in political science (POL AMER, POL COMP, POL GEN, POL INTL, POL THRY)		3
Total Hours		18

- * POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core. POL INTL 1024 (943:024) satisfies Category 5C of the Liberal Arts Core.

Note: Not more than 9 semester hours of political science taken within the International Affairs minor or Politics and Law minor may also be counted for credit on a political science major or minor.

Politics and Law Minor

The Politics and Law minor is intended to provide students with a general understanding of American legal institutions and how these institutions interact and influence our policy. The program equips students with a facility in legal reasoning and logic.

Required

Political Science:		
POL AMER 1014 (942:014)	Introduction to American Politics *	3
POL AMER 3141 (942:141)	Constitutional Law	3
POL AMER 3146 (942:146)	Law and Politics	3
Philosophy:		
PHIL 1030 (650:045)	Elementary Logic	3
Select two of the following:		6
Management:		
MGMT 3905/5905 (150:105g)	Employment and Labor Law ^	
Political Science:		
POL AMER 3144 (942:144)	Civil Rights and Liberties	
POL AMER 2147	Law and the Courts	
Criminology:		
CRIM 2022 (982:022)	Criminal Justice System ^	
Select one of the following:		3
Management:		
MGMT 3101 (150:101)	Business Law	
Psychology:		
PSYCH 2302 (400:070)	Psychology and Law ^	
Philosophy:		
PHIL 3320 (650:172)	Society, Politics, and the Person	
Economics:		
ECON 3231/5231 (920:128g)	Law and Economics ^	
Political Science:		
POL THRY 3129 (941:129)	American Political Thought	
POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law	
POL INTL 3143 (943:143)	International Law	
Criminology:		
CRIM 2232 (982:132)	Juvenile Justice ^	
CRIM 4228/5228 (982:128g)	Law and Society ^	
CRIM 4331/5331 (982:131g)	Women, Crime and Society ^	
Total Hours		21

Note: Not more than 9 semester hours of political science for this minor can count toward a major in political science.

Note: Choice of courses and subsequent course prerequisites may increase the length of this program.

- * POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts core.

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^ These courses have additional prerequisites as follows:
MGMT 3905/5905 (150:105g) has prerequisite of MGMT 3100 (150:100) or MGMT 3101 (150:101) or equivalent.
CRIM 2022 (982:022) and CRIM 4228/5228 (982:128g) have prerequisite of *SOC 1000 (980:001)*, which will satisfy Category 5A of the Liberal Arts Core.
PSYCH 2302 (400:070) has prerequisite of *PSYCH 1001 (400:001)*, which will satisfy Category 5B of the Liberal Arts Core.
ECON 3231/5231 (920:128g) has prerequisite of ECON 1041 (920:053) and ECON 1051 (920:054). Satisfactory completion of **both** ECON 1041 (920:053) and ECON 1051 (920:054) will satisfy Category 5B of the Liberal Arts Core.
CRIM 2232 (982:132) and CRIM 4331/5331 (982:131g) have prerequisites of SOC 1000 (980:001) and CRIM 2022 (982:022). SOC 1000 (980:001) will satisfy Category 5A of the Liberal Arts Core.

Master of Public Policy Degree Program

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. Courses are offered using a combination of Adobe Connect and online via eLearning.

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 Political Science for other application requirements. Graduate information and application for graduate admission can be found at <http://www.grad.uni.edu/admission>. Complete undergraduate transcripts are also required for admission review.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Courses in the program provide thorough coverage of the contributions of political science and other disciplines to the analysis of public policy including methods courses that provide training in the rigorous aspects 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.

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.

Admission to the M.P.P. program is competitive. Entering students are expected to have acquired introductory level knowledge, from their undergraduate training, of statistical methods, micro-economics, and American governmental process. Courses are available outside the degree program in these programs. Students who lack such background should consult with the graduate program coordinator.

The M.P.P. is available on the **non-thesis** option only, and requires **34-37 semester hours. A minimum of 13 hours of 200/6000-level course work is required.** The 3 credit hours of internship may be waived with sufficient work experience as determined by the graduate

program coordinator. As part of PUBPOL 6299, students must defend their research to the instructor and reader.

Required		
Public Policy:		
PUBPOL 6201	Politics and Public Policy	3
PUBPOL 6260 (950:260)	Policy Analysis: Methods and Approaches	3
PUBPOL 6204	Program Evaluation in Public Policy	3
or ECON 3229/5229 (920:125g)	Cost-Benefit Analysis	
PUBPOL 6275 (950:275)	Quantitative Methods for Politics and Policy	3
PUBPOL 6285 (950:285)	Readings in Public Policy	1
PUBPOL 6299 Research		3
Economics:		
POL AMER 3172/5172 (942:172)	Public Budgeting	3
or ECON 3221/5221 (920:117g)	Public Finance	
Political Science:		
POL AMER 4153/5153 (942:153g)	Public Organizations	3
POL AMER 4176/5176 (942:176g)	Topics in Public Policy (enroll 3 times)	9
History:		
HIST 6020 (960:225)	History and U.S. Public Policy	3
Internship:		
PUBPOL 6281 (950:281)	Internship in Public Policy *	3
Total hours (if internship waived)		34
Total hours		37

* Students who are already working in the public sector or have significant public sector experience will have this requirement waived upon approval by the Graduate Coordinator.

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 three 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 (943:024)	International Relations *	3
POL INTL 3120 (943:120)	International Security	3

Electives

Select a minimum of 9 hours from the following: 9

Communication:

COMM 4344/5344 (48C:151g)	Intercultural Communication	
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International Relations:

POL INTL 3127 (943:127)	United States Foreign Policy	
POL INTL 3143 (943:143)	International Law	
POL INTL 3145 (943:145)	International Organizations	

Comparative Politics:

POL COMP 3121 (944:121)	Terrorism and Insurgency	
POL COMP 3125 (944:125)	Politics of Nonviolence	

History:

HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present	
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HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present	
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Sociology:

SOC 3090 (980:102)	Conflict Resolution	
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Total Hours 15

* POL INTL 1024 (943:024) satisfies Category 5C of the Liberal Arts Core.

Graduate Certificate in Public Administration

The Graduate Certificate in Public Administration is designed for public policy professionals who may desire an added credential that would be helpful for career advancement. The certificate is embedded in the Master of Public Policy (MPP) program. However, students do not have to be enrolled in the MPP program in order to register for and complete courses for the certificate. The certificate can be completed in three semesters and all courses are taught online by full time faculty in the Department of Political Science.

Required:

POL AMER 3172/5172 (942:172)	Public Budgeting	3
POL AMER 4153/5153 (942:153g)	Public Organizations	3
PUBPOL 6201	Politics and Public Policy	3
PUBPOL 6260 (950:260)	Policy Analysis: Methods and Approaches	3
PUBPOL 6275 (950:275)	Quantitative Methods for Politics and Policy	3

Total Hours 15

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 (942:014)	Introduction to American Politics	3
POL AMER 1048 (942:048)	Introduction to Public Administration	3
POL AMER 3174 (942:174)	Public Personnel Administration	3

Psychology:

PSYCH 1001 (400:001)	Introduction to Psychology	3
PSYCH 3304/5304 (400:158g)	Organizational Psychology	3
Electives (select a minimum of 3 hours from the following):		3

Leisure, Youth, and Human Services:

LYHS 3337 (430:154)	Human Resource Development for Leisure, Youth and Human Services	
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Management:

MGMT 3153 (150:153)	Organizational Management	
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Political Science:

POL AMER 4173 (942:173g)	The Public Policy Process	
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Psychology:

PSYCH 3305/5305 (400:157g)	Industrial Psychology	
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Social Work:

SW 4163 (450:163g)	Diversity and Difference *	
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Total Hours 18

* * These courses have additional prerequisites as follows:
SW 4163 (450:163g) has a prerequisite of SOC 1000 (980:001). SOC 1000 satisfies Liberal Arts Core, Category 5A requirement.

List of Programs by Department

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 (942:014)	Introduction to American Politics *	3
POL AMER 2131 (942:131)	American State Politics	3
POL AMER 3132 (942:132)	Community Politics	3
POL AMER 4130/5130 (942:130g)	Iowa Politics	3

Electives

Select minimum 3 hours from the following: 3

Economics:

ECON 3253/5253 (920:148g) Urban and Regional Economics *

Geography:

GEOG 4170/5170 (970:168g) Regional Analysis and Planning

American Politics:

POL AMER 3172/5172 (942:172) Public Budgeting *

POL AMER 4153/5153 (942:153g) Public Organizations *

POL AMER 4173 (942:173g) The Public Policy Process *

Criminology:

CRIM 4253/5253 (982:153g) Crime and Public Policy *

Total Hours 15

*

These courses have additional prerequisites are as follows: POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core.

ECON 3253/5253 (920:148g) has prerequisites of ECON 1041 (920:053) and ECON 1051 (920:054), or consent of instructor. ECON 1041 (920:053) and ECON 1051 (920:054) are prerequisites to all 100/2000/3000/4000-level economics courses. Either *ECON 1031 (920:024)* or **both** ECON 1041 (920:053) and ECON 1051 (920:054) will satisfy Category 5B of the Liberal Arts Core.

POL AMER 3172/5172 (942:172), POL AMER 4153/5153 (942:153g) and POL AMER 4173 (942:173g) have prerequisites of POL AMER 1014 (942:014) and POL AMER 1048 (942:048). POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core.

CRIM 4253/5253 (982:153g) has prerequisites of *SOC 1000 (980:001)* and CRIM 2022 (982:022). *SOC 1000 (980:001)* will satisfy Category 5A of the Liberal Arts Core.

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

Minor

- Mental Health
- Psychology

Graduate Major (M.A.)

- Psychology

Program Certificate

- Industrial and Organizational Psychology
- Military Psychology

PSYCH 1001 (400:001) 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 Liberal Arts Core 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 3.50 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 (400:193g) 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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required Courses

PSYCH 1001 (400:001)	Introduction to Psychology	3
PSYCH 2002	Careers in Psychology	1
PSYCH 3002 (400:101)	Research Methods	4
PSYCH 3003 (400:102)	Psychological Statistics	4

Core Courses (complete 3 of 4)

PSYCH 2101 (400:155)	Biopsychology	
PSYCH 2202 (400:120)	Developmental Psychology	
PSYCH 2203 (400:160)	Social Psychology	
PSYCH 3505/5505 (400:153g)	Cognitive Psychology	

Elective Courses

Any psychology course (PSYCH xxxx) may be selected as an elective.	18
Total Hours	39

No more than six total hours of PSYCH 2701 (400:020), PSYCH 3179, PSYCH 4198 (400:198), PSYCH 4704/5704 (400:192g), and PSYCH 4705/5705 (400:193g) can count toward fulfilling the major requirements.

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. For a student majoring in one or more of the areas listed below (e.g., Social Work), these courses will all also apply toward the Mental Health Minor as well. The 6 courses (listed below) must be from at least 3 (of the 4) areas to ensure disciplinary course exposure.

Required Courses

PSYCH 1001 (400:001)	Introduction to Psychology	3
FAM SERV 1020 (31F:020)	Family Relationships	3
Elective Courses (at least 1 course from either CRIM or SW)		12

CRIM 3228	Mental Health and the Criminal Justice System	
CRIM 4371 Topics in Criminal Justice: Offender Rehabilitation		
FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships	

FAM SERV 3160/5160 (31F:160g)	Family Assessment and Intervention**	
FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias	
FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy	
PSYCH 2401 (400:166)	Clinical Psychology	
PSYCH 3403/5403 (400:142g)	Abnormal Psychology	
PSYCH 3603/5603 (400:125g)	Child and Adolescent Psychopathology*	
SW 4143 (450:143g)	Self-Care and Stress Management in Helping Professions	
SW 4171/5171 (450:171g)	Addictions Treatment	
SW 4175/5175 (450:175g)	Child Welfare Policy and Practice	
Total Hours		18

* Similar child development courses could be substituted for PSYCH 3603/5603 (400:125g) prerequisite with consent of the instructor.

** Prerequisites for FAM SERV 3160/5160 (31F:160g) may be waived with consent of instructor.

Psychology Minor

Required

Psychology:		
PSYCH 1001 (400:001)	Introduction to Psychology	3
PSYCH 3002 (400:101)	Research Methods	4
Electives in psychology		18
Total Hours		25

Master of Arts Degree Program

Major in 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 Psychology for any other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

The Graduate Record Examination (General Test) is required for admission to the program.

In addition to meeting general university admission requirements, applicants are also required to submit the following for consideration:

1. a departmental application form;
2. three letters of recommendation, preferably from undergraduate psychology instructors; and
3. Graduate Record Examination (GRE) scores on the general test.

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

List of Programs by Department

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 and requires a **minimum of 43-45 semester hours, depending on the emphasis chosen. A minimum of 15 semester hours of 200/6000-level course work is required.**

The M.A. program in psychology consists of two traditional emphases and an individualized study option:

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.
3. students may also choose an individualized study option in which they choose a program of study beyond the courses required for all students in conjunction with a faculty advisor and the graduate coordinator. Students interested in this option must contact the graduate coordinator to discuss their plan before applying.

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:		
PSYCH 6001 (400:239)	Advanced Statistics	3
PSYCH 6002 (400:241)	Research Design	3
Readings:		
PSYCH 6285 (400:285)	Readings in Psychology	2
Thesis Research:		
PSYCH 6299 (400:299)	Research	6
Emphasis requirements (as listed below)		29-31
Total Hours		43-45

Clinical Science Emphasis

Requirements for all students (listed above): 14

Required for emphasis: (29)

Psychology:		
PSYCH 6401 (400:249)	Cognitive Assessment	4
PSYCH 6402 (400:270)	Research and Practice of Psychotherapy	3
PSYCH 6405 (400:262)	Personality Assessment	4

PSYCH 6406 (400:225)	Psychopathology	3
PSYCH 6407 (400:272)	Evidence Based Treatment	3
PSYCH 6409	Clinical Ethics	3
PSYCH 6410	Advanced Child Psychopathology and Evidence Based Treatment	3

Clinical Practicum:

PSYCH 6416	External Clinical Practicum I	2
PSYCH 6417	External Clinical Practicum II	1

Electives in Psychology

(determined in consultation with the Graduate Coordinator)

The following courses are pre-approved as electives in this program:		
PSYCH 3004/5004 (400:118g)	History and Systems of Psychology	
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	
PSYCH 3103/5103 (400:152g)	Sensation and Perception	
PSYCH 3104/5104 (400:127g)	Introduction to Neurology	
PSYCH 3204/5204 (400:173g)	Psychology of Aging	
PSYCH 3303/5303 (400:154g)	Health Psychology	
PSYCH 3304/5304 (400:158g)	Organizational Psychology	
PSYCH 3305/5305 (400:157g)	Industrial Psychology	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion	
PSYCH 3503/5503 (400:150g)	Conditioning and Learning	
PSYCH 3504/5504 (400:151g)	Memory and Language	
PSYCH 3505/5505 (400:153g)	Cognitive Psychology	
PSYCH 3606/5606 (400:162g)	Special Topics in Social Psychology	
PSYCH 4604/5604 (400:149g)	Principles of Psychometrics	
PSYCH 4607/5607 (400:164g)	Psychological Anthropology	
PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective	
PSYCH 6003 (400:292)	Graduate Practicum in Teaching Psychology	
PSYCH 6006 (400:293)	Research in Psychology	
PSYCH 6201 (400:218)	Evolution, Brain and Social Behavior	
PSYCH 6202 (400:220)	Social and Cognitive Development	
PSYCH 6203 (400:261)	Personality	
PSYCH 6204 (400:264)	Advanced Social Psychology	

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PSYCH 6205 (400:294)	Advances and Developments in Social Psychology	
PSYCH 6285 (400:285)	Readings in Psychology	
PSYCH 6289 (400:289)	Seminar	
3 hours total from:		
PSYCH 4704/5704 (400:192g)	Practicum in Teaching Psychology	
or PSYCH 4705/5705 (400:193g)	Research Experience in Psychology	
Total Hours		43

Social Psychology Emphasis

Required for all students (listed above):		14
Required for emphasis: (31)		
Psychology:		
PSYCH 4604/5604 (400:149g)	Principles of Psychometrics	3
PSYCH 3606/5606 (400:162g)	Special Topics in Social Psychology	3
PSYCH 6201 (400:218)	Evolution, Brain and Social Behavior	3
PSYCH 6202 (400:220)	Social and Cognitive Development	3
PSYCH 6203 (400:261)	Personality	3
PSYCH 6204 (400:264)	Advanced Social Psychology	3
Psychology:		
PSYCH 6006 (400:293)	Research in Psychology	6
Psychology:		
PSYCH 6205 (400:294)	Advances and Developments in Social Psychology (1 hr. each of 4 semesters for a total of 4 hrs)	4

Electives in Psychology

(determined in consultation with the Graduate Coordinator)

The following courses are pre-approved as electives in this program:

PSYCH 3004/5004 (400:118g)	History and Systems of Psychology	
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	
PSYCH 3103/5103 (400:152g)	Sensation and Perception	
PSYCH 3104/5104 (400:127g)	Introduction to Neurology	
PSYCH 3204/5204 (400:173g)	Psychology of Aging	
PSYCH 3303/5303 (400:154g)	Health Psychology	
PSYCH 3304/5304 (400:158g)	Organizational Psychology	
PSYCH 3305/5305 (400:157g)	Industrial Psychology	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion	

PSYCH 3503/5503 (400:150g)	Conditioning and Learning	
PSYCH 3504/5504 (400:151g)	Memory and Language	
PSYCH 3505/5505 (400:153g)	Cognitive Psychology	
PSYCH 4607/5607 (400:164g)	Psychological Anthropology	
PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective	
PSYCH 6003 (400:292)	Graduate Practicum in Teaching Psychology	
PSYCH 6285 (400:285)	Readings in Psychology	
PSYCH 6289 (400:289)	Seminar	
PSYCH 6401 (400:249)	Cognitive Assessment	
PSYCH 6406 (400:225)	Psychopathology	
PSYCH 6410	Advanced Child Psychopathology and Evidence Based Treatment	
3 hours total from:		
PSYCH 4704/5704 (400:192g)	Practicum in Teaching Psychology	
or PSYCH 4705/5705 (400:193g)	Research Experience in Psychology	
Total Hours		45

Individualized Study Emphasis

Required of all students (listed above): 14

Required for emphasis

PSYCH 6006 (400:293)	Research in Psychology	6
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Required for emphasis: (hours determined in consultation with the faculty advisor and Graduate Coordinator) 24

The following courses are pre-approved for this program:

PSYCH 3004/5004 (400:118g)	History and Systems of Psychology	
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	
PSYCH 3103/5103 (400:152g)	Sensation and Perception	
PSYCH 3104/5104 (400:127g)	Introduction to Neurology	
PSYCH 3204/5204 (400:173g)	Psychology of Aging	
PSYCH 3303/5303 (400:154g)	Health Psychology	
PSYCH 3304/5304 (400:158g)	Organizational Psychology	
PSYCH 3305/5305 (400:157g)	Industrial Psychology	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion	
PSYCH 3503/5503 (400:150g)	Conditioning and Learning	

List of Programs by Department

PSYCH 3504/5504 (400:151g)	Memory and Language
PSYCH 3505/5505 (400:153g)	Cognitive Psychology
PSYCH 3606/5606 (400:162g)	Special Topics in Social Psychology
PSYCH 4604/5604 (400:149g)	Principles of Psychometrics
PSYCH 4607/5607 (400:164g)	Psychological Anthropology
PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective
PSYCH 6003 (400:292)	Graduate Practicum in Teaching Psychology
PSYCH 6201 (400:218)	Evolution, Brain and Social Behavior
PSYCH 6202 (400:220)	Social and Cognitive Development
PSYCH 6203 (400:261)	Personality
PSYCH 6204 (400:264)	Advanced Social Psychology
PSYCH 6205 (400:294)	Advances and Developments in Social Psychology
PSYCH 6285 (400:285)	Readings in Psychology
PSYCH 6289 (400:289)	Seminar
PSYCH 6401 (400:249)	Cognitive Assessment
PSYCH 6406 (400:225)	Psychopathology
PSYCH 6410	Advanced Child Psychopathology and Evidence Based Treatment
3 hours total from:	
PSYCH 4704/5704 (400:192g)	Practicum in Teaching Psychology
or PSYCH 4705/5705 (400:193g)	Research Experience in Psychology
Total Hours	44

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.

Industrial and Organizational 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 3304/5304 (400:158g)	Organizational Psychology 3

PSYCH 3305/5305 (400:157g)	Industrial Psychology	3
Electives: select three of the following:		9
Psychology:		
PSYCH 2301 (400:025)	Applied Psychology	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion	
PSYCH 2203 (400:160)	Social Psychology	
PSYCH 4604/5604 (400:149g)	Principles of Psychometrics	
Communication Studies:		
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication	
COMM 3055 (48C:132)	Organizational Communication	
COMM 4155/5155 (48C:135g)	Organizational Communication Assessment	
Political Science:		
POL AMER 4177/5177 (942:177g)	Political Psychology	
POL AMER 1048 (942:048)	Introduction to Public Administration	
POL AMER 4153/5153 (942:153g)	Public Organizations	
POL AMER 3174 (942:174)	Public Personnel Administration	
Management:		
MGMT 3155	Human Resource Management	
MGMT 3905/5905 (150:105g)	Employment and Labor Law	
MGMT 3965/5965 (150:165g)	Organizational Behavior	
MGMT 3966/5966 (150:166g)	Staffing and Employee Development	
Education:		
EDLEAD 6245 (270:245)	Leadership for Effective Schools	
EDLEAD 7310 (270:310)	Human Resource Administration	
EDLEAD 7311 (270:311)	Educational Leadership and Systems Change	
Leisure, Youth, and Human Services:		
LYHS 3337 (430:154)	Human Resource Development for Leisure, Youth and Human Services	
LYHS 6202 (430:202)	Social Psychology of Leisure	
LYHS 2020 (430:020)	Leadership in Leisure, Youth and Human Services	
LYHS 6412 (430:250)	Management Issues in Leisure, Youth and Human Services	
LYHS 6402 (430:260)	Strategic Program Management	
Technology:		
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	

TECH 3196 (330:196)	Industrial Safety	
Total Hours		15

The 6000-level and 7000-level electives are available only to graduate students.

Military Psychology

Required Courses

MIL SCI 1091 (080:091)	Introduction to the Army and Critical Thinking	1
MIL SCI 1092 (080:092)	Introduction to the Profession of Arms	1

Elective Courses

FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships	
FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis	
PSYCH 3304/5304 (400:158g)	Organizational Psychology	
PSYCH 3305/5305 (400:157g)	Industrial Psychology	
PSYCH 2401 (400:166)	Clinical Psychology	
PSYCH 3403/5403 (400:142g)	Abnormal Psychology	
PSYCH 3303/5303 (400:154g)	Health Psychology	
PSYCH 2203 (400:160)	Social Psychology	
SW 3102 (450:102)	Conflict Resolution	
SW 4171/5171 (450:171g)	Addictions Treatment	
PSYCH 4705/5705 (400:193g)	Research Experience in Psychology	
Total Hours		14

* PSYCH 4705/5705 (400:193g) may be repeated up to 6 hours. PSYCH 4705/5705 (400:193g) 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 (400:101) is a prerequisite for this course.

Regents Alternative Pathway to Iowa Licensure (RAPIL) - Answering the Call to Teach

(Regents Collaborative Program)

www.iowateacherintern.org.

The Regents Alternative Pathway to Iowa Licensure (RAPIL) - *Answering the Call to Teach* - is a Regents collaborative 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 Regents programs have successful, state-approved teacher education programs for traditional students. This collaborative program allows each institution to contribute essential, unique resources to adult teacher preparation. Intern candidates learn 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 the 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 January to March

One face-to-face day of orientation to meet faculty and fellow students and to become acclimated to technology and the demands of the program.

EDTL:3059 Introduction to Education and the Regents Alternative Pathway to Iowa Licensure Program (4 credits)

- 3 semester hours: focus on beginning a foundation of learning on: students as learners, the instructional process and assessment.
- 1 semester hour: field experience which includes observation, reflection, and tutoring.

March to May

EDTL:3060 Learning and Instruction for Today's Classrooms (4 credits)

Prerequisite: EDTL:3059

- 3 semester hours: focus on classroom management, instructional strategies, characteristics of adolescents, lesson planning, diverse populations and technology in action.
- 1 semester hour: field experience which includes lesson planning, presenting, and reflecting.

June

EDTL:3063 Creating Classrooms Conducive to Teaching and Learning (3 credits)

Prerequisite: 7S:160/EDTL:3060

- 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.

July

EDTL:3061 Instructional Planning, Strategies and Assessment (4 credits)

Prerequisite: EDTL:3063

- 4 semester hours: focus on instructional strategies, lesson planning, diverse populations, assessment, and reflection.

List of Programs by Department

September to November

EDTL:3062 Learning Communities (3 credits)
Prerequisite: EDTL:3061

Concurrent with EDTL:3064 (fall semester)

- 3 semester hours: focus on school community relationships, school policies, and ethics.

August to April

EDTL:3064 Intern Seminar on Critical Issues in Education I and II (3 credits each semester)
Prerequisite: EDTL:3061

Concurrent with EDTL:3062 in the fall and EDTL:3065 in the spring

- 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.

January to April

EDTL:3065 Methods in Teaching in the Secondary Classroom (3 credits)
Prerequisite: EDTL:3062

Concurrent with EDTL:3064 (spring semester)

- 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 chairperson. 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
- Middle Level Science-Teaching (Dual)

Minor

- Basic Science (K-8)-Teaching
- STEM Education Minor

Graduate Major (M.A.)

- Science Education

Bachelor of Arts Degree Programs
Comprehensive Secondary Science-Teaching (Extended Program)

The Comprehensive Secondary Science Teaching major requires a minimum of 137 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 137 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 (820:190g)	Orientation to Science Teaching (Teaching)	4
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
Biology:		
BIOL 2051 (840:051)	General Biology: Organismal Diversity	4
BIOL 2052 (840:052)	General Biology: Cell Structure and Function	4
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science	3
BIOL 3140 (840:140)	Genetics	4
BIOL 4193/5193 (840:193g)	Methods for Teaching Life Science	3
Chemistry and Biochemistry:		
CHEM 1110 (860:044)	General Chemistry I	4
CHEM 1120 (860:048)	General Chemistry II *	4
Earth Science:		
EARTHSCI 1300 (870:031)	Introduction to Geology	4
EARTHSCI 1320 (870:035)	Earth History	4
Physics:		
PHYSICS 1511 (880:054)	General Physics I	4
PHYSICS 1512 (880:056)	General Physics II **	4
Electives from the following:		
Chemistry and Biochemistry:		7
CHEM 2040	Applied Organic and Biochemistry	

or CHEM 2210 (860:120) Organic Chemistry I plus one 2000-level course [^]	
Earth Science:	
EARTHSCI 1100 (870:010)	Astronomy *** 4
EARTHSCI 1200 (870:021)	Elements of Weather 3
EARTHSCI 1210 (870:022)	Elements of Weather Laboratory 1
Physics:	
any 2000-level course	7
Teaching	
TEACHING 3129	Secondary and Special-Area Classroom Management 1
Total Hours	
72	

* Students with excellent preparation in chemistry may substitute CHEM 1130 (860:070) plus 3 hours of additional credit hours in chemistry electives for CHEM 1110 (860:044) and CHEM 1120 (860:048).

** Students with excellent preparation in physics and calculus may substitute PHYSICS 1701 (880:130) and PHYSICS 1702 (880:131) for *PHYSICS 1511 (880:054)* and PHYSICS 1512 (880:056)

*** *EARTHSCI 1100 (870:010)* must be taken for four semester hours of credit.

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 (800:046).

Middle Level Science-Teaching (Dual)

The Middle Level Science Teaching (Dual) major requires a minimum of 133-136 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 133-136 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.

Required

Science Education:		
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	4
and one of the following methods courses:		
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
or BIOL 4193/5193 (840:193g)	Methods for Teaching Life Science	
Biology:		
BIOL 2051 (840:051)	General Biology: Organismal Diversity	4
BIOL 2052 (840:052)	General Biology: Cell Structure and Function	4
Chemistry and Biochemistry:		
CHEM 1110 (860:044)	General Chemistry I	4
CHEM 1120 (860:048)	General Chemistry II *	4
Earth Science:		
EARTHSCI 1200 (870:021)	Elements of Weather	3
EARTHSCI 1210 (870:022)	Elements of Weather Laboratory	1
EARTHSCI 1300 (870:031)	Introduction to Geology	4
Physics:		
PHYSICS 1511 (880:054)	General Physics I	4
PHYSICS 1512 (880:056)	General Physics II	4
Total Hours		39

* Students with excellent preparation in chemistry may substitute CHEM 1130 (860:070) plus 3 hours of additional credit hours in chemistry electives for *CHEM 1110 (860:044)* and CHEM 1120 (860:048).

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 (800:044) or MATH 1140 (800:046).

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

Science and Science Education:		
SCI ED 1100 (820:033)	Inquiry into Earth and Space Science	4
SCI ED 1200 (820:032)	Inquiry into Life Science	4
SCI ED 1300 (820:031)	Inquiry into Physical Science	4
SCI ED 3100/5100 (820:130g)	Integrating Science, Technology, Engineering, and Mathematics in the Elementary Classroom	2

List of Programs by Department

SCI ED 2300 (820:181)	Investigations in Physical Science	4
Biology:		
BIOL 3181 (840:181)	Investigations in Life Science	4
Earth Science:		
EARTHSCI 3500 (870:181)	Investigations in Earth and Space Sciences	4
Electives		
Chemistry and Biochemistry, or Physics:		4
Select one from the following:		
CHEM 1010 (860:010)	Principles of Chemistry	
PHYSICS 1400 (880:011)	Conceptual Physics	
Total Hours		30

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 a minimum of 33 total credit hours to complete. This total includes courses that meet either Liberal Arts Core 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 *^.**

Group 1 - STEM Education Minor Required Core Classes 11-13

Computer Science		
CS 1140	Programming Environments for Secondary Education ^	
or		
CS 1150	Programming Environments for Elementary Education *	
Mathematics		
MATH 3213/5213 (800:113g)	Topics in Mathematics for Grades K-8 *	
or		
MATH 3313	Topics in Secondary Mathematics ^	
Science Education		
SCI ED 3100/5100 (820:130g)	Integrating Science, Technology, Engineering, and Mathematics in the Elementary Classroom *	
or		
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching ^	
Technology		

TECH 1019 (330:019)	Introduction to Technology and Engineering Education *^	
Studies in STEM Experiences		
4186/5186 Studies in STEM Experiences*^ with department options of CS 4186/5186, MATH 4186/5186, SCI ED 4186/5186, or TECH 4186/5186		
Group 2 - Mathematics Content Electives ¹		6-7
MATH 1420 (800:060)	Calculus I ^	
MATH 1421 (800:061)	Calculus II ^	
MATH 2204	Mathematical Reasoning for Elementary Teachers II *	
MATH 3204	Mathematical Reasoning for Elementary Teachers III *	
MATH 3211 (800:111g)	Introduction to Algebraic Thinking for Elementary Teachers *	
MATH 3212/5212 (800:112g)	Introduction to Geometry and Measurement for Elementary Teachers *	
MATH 3214/5214 (800:114g)	Problem Solving in Mathematics for Elementary Teachers *	
MATH 3215 (800:192)	Mathematics for Elementary Students with Special Needs *	
MATH 2500 (800:076)	Linear Algebra for Applications ^	
MATH 3530/5530 (800:143g)	Combinatorics ^	
MATH 3600/5600 (800:166g)	Euclidean Geometry ^	
MATH 3610/5610 (800:165g)	Modern Geometries ^	
MATH 3751 (800:173)	Probability and Statistics ^	
STAT 1772 (800:072)	Introduction to Statistical Methods ^	
or STAT 1774 (800:064)	Introductory Statistics for Life Sciences	
Group 3 - Science Content Electives ²		12
BIOL 2051 (840:051)	General Biology: Organismal Diversity ^	
BIOL 2052 (840:052)	General Biology: Cell Structure and Function ^	
BIOL 3100 (840:100)	Evolution, Ecology and the Nature of Science ^	
BIOL 3181 (840:181)	Investigations in Life Science *	
CHEM 1020 (860:020)	Chemical Technology ^	
CHEM 1110 (860:044)	General Chemistry I ^	
CHEM 1130 (860:070)	General Chemistry I-II ^	
EARTHSCI 1300 (870:031)	Introduction to Geology ^	
EARTHSCI 1320 (870:035)	Earth History ^	
EARTHSCI 3500 (870:181)	Investigations in Earth and Space Sciences *	
PHYSICS 1511 (880:054)	General Physics I ^	
PHYSICS 1701 (880:130)	Physics I for Science and Engineering ^	

List of Programs by Department

SCI ED 2300 (820:181)	Investigations in Physical Science ^{*3}	
Group 4 - Technology Electives		3
TECH 1006	Project Lead The Way: Introduction to Engineering Design [^]	
TECH 3010	Project Lead The Way: Principles of Engineering [^]	
TECH 3102 (330:102)	Living in Our Techno-Social World [*]	
Total Hours		33

Notes:

- ¹ Students must earn a minimum of 12 credit hours in Mathematics to earn the endorsement, including MATH 3213/5213 (800:113g) or MATH 3313 from Group 1. Additionally, the Computer Science courses, CS 1140 or CS 1150, 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 (820:181) is counted as fulfilling the Chemistry or Physics requirement.

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 Science Education Chair. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

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 (820:299) for thesis research and writing, is required for the **thesis** option; a **minimum of 32 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 200/6000-level course work is required for the thesis option. A minimum of 14 hours of 200/6000-level course work is required for the non-thesis option.**

Required

Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	3

or SCI ED 6500	Research Methods in Science Education	
Science and Science Education:		
SCI ED 6600 (820:294)	Developing Science Curricula	2
SCI ED 6700 (820:200)	The History, Philosophy, and Nature of Science	2
SCI ED 6800 (820:213)	Teaching-Learning Models in Science Education	2
SCI ED 6900 (820:290)	Trends and Issues in Science Education	2
Thesis or non-thesis option		19 or 21
Total hours thesis option		30
Total hours non-thesis option		32

Thesis Option

Research:		
SCI ED 6299 (820:299)	Research	6
Science content courses		8
Electives from education or science education		5
Total Hours		19

Non-Thesis Option

Research:		
SCI ED 6299 (820:299)	Research	3
Science content courses		11
Electives from education or science education		7
Total Hours		21

Earth Science Education Emphasis

The Earth Science Education emphasis differs from the Science Education major in that it provides the option of taking either SCI ED 6299 (820:299) or EARTHSCI 6299 (870:299) and also requires 8 hours of graduate credit in Earth Science and a total of 36 hours in Earth Science in combined graduate and undergraduate programs.

Required

Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	3
or SCI ED 6500	Research Methods in Science Education	
Science Education:		
SCI ED 6600 (820:294)	Developing Science Curricula	2
SCI ED 6700 (820:200)	The History, Philosophy, and Nature of Science	2
SCI ED 6800 (820:213)	Teaching-Learning Models in Science Education	2
SCI ED 6900 (820:290)	Trends and Issues in Science Education	2
Thesis or non-thesis option		19 or 21

List of Programs by Department

Total hours thesis option	30
Total hours non-thesis option	32

Thesis Option

Research:

SCI ED 6299 (820:299)	Research	6
or EARTHSCI 6299 (870:299)	Research	
Earth Science content		8
Electives from education or science education		5
Total Hours		19

Non-Thesis Option

Research:

SCI ED 6299 (820:299)	Research	3
or EARTHSCI 6299 (870:299)	Research	
Science content with at least 8 hours of Earth Science		11
Electives from education or science education		7
Total Hours		21

Physics Education Emphasis

The Physics Education emphasis differs from the Science Education major in that it provides the option of taking either SCI ED 6299 (820:299) or PHYSICS 6299 (880:299) and also requires 8 hours of graduate credit in physics and a total of 36 hours in physics in combined graduate and undergraduate programs.

Required

Measurement and Research:

MEASRES 6205 (250:205)	Educational Research	3
or SCI ED 6500	Research Methods in Science Education	

Science Education:

SCI ED 6600 (820:294)	Developing Science Curricula	2
SCI ED 6700 (820:200)	The History, Philosophy, and Nature of Science	2
SCI ED 6800 (820:213)	Teaching-Learning Models in Science Education	2
SCI ED 6900 (820:290)	Trends and Issues in Science Education	2

Thesis or non-thesis option	19 or 21
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Total hours thesis option	30
Total hours non-thesis option	32

Thesis Option

Research:

SCI ED 6299 (820:299)	Research	6
or PHYSICS 6299 (880:299)	Research	
Physics content		8
Electives from education or science education		5
Total Hours		19

Non-Thesis Option

Research:

SCI ED 6299 (820:299)	Research	3
or PHYSICS 6299 (880:299)	Research	
Science content with at least 8 hours of Physics		11
Electives from education or science education		7
Total Hours		21

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 Undergraduate or Graduate 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.)

- Social Science-Teaching-Plan A - Specialist
- Social Science-Teaching-Plan B - All Social Science

Graduate Major (M.A.)

- Social Science

Bachelor of Arts Degree Programs

Social Science Major-Teaching - Plan A - Specialist (Extended Program)

The Social Science Teaching major Plan A-Specialist requires a minimum of 135 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 135 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 3190	Introduction to Teaching Social Studies	1
SOCSCIED 4190	Methods of Teaching Social Studies	3

List of Programs by Department

Three areas of study in the social sciences are required. Two of these areas require a minimum of 21 hours, and one requires a minimum of 18 hours. *

Total Hours 64

* Only *one* field of history (American or World) may be selected as one of the *three* areas of the major.

Upon completing 100 credit hours of college course work the student must have permission from the Undergraduate Coordinator, Social Science Program, to continue the Social Science-Teaching major based on minimum GPA requirements for full admission to the Teacher Education Program. 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 (942:014)	Introduction to American Politics	3
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AND

POL INTL 1024 (943:024)	International Relations	3
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OR

POL COMP 1040 (944:040)	Comparative Politics	3
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Plus 12 (or 15) hours in American Government. 12-15

Eligible American Government courses

POL AMER 2131 (942:131)	American State Politics	
POL AMER 2147	Law and the Courts	
POL AMER 3112 (942:112)	Campaigns and Elections	
POL AMER 3134 (942:134)	Legislative Politics	
POL AMER 3141 (942:141)	Constitutional Law	
POL AMER 3146 (942:146)	Law and Politics	
POL AMER 3150 (942:150)	Public Opinion and Voting Behavior	
POL AMER 3151 (942:151)	Modern Presidency	
POL AMER 3166 (942:166)	Political Parties and Interest Groups	
POL AMER 4130/5130 (942:130g)	Iowa Politics	
POL INTL 3127 (943:127)	United States Foreign Policy	
POL THRY 3129 (941:129)	American Political Thought	

COURSES THAT MAY BE USED TO MEET REQUIREMENTS IN EITHER OF THE ABOVE CATEGORIES, BUT NOT BOTH:
POL INTL 3127 (943:127) .

American History

History

HISUS 1110 (961:014)	United States History to 1877	3
HISUS 1120 (961:015)	United States History since 1877	3

Plus 12 (or 15) hours in American history from the following courses: 12-15

HIST 1010 (960:010)	Introduction to the Study of History	
HIST 3010 (960:189)	Readings in History	

HISUS 4110/5110 (961:136g)	American Colonial History	
HISUS 4130/5130 (961:137g)	The Early Republic, 1785-1850	
HISUS 4140/5140 (961:139g)	Civil War and Reconstruction	
HISUS 4150/5150 (961:147g)	Foundations of Modern America: The United States, 1877-1929	
HISUS 4160/5160 (961:131g)	U.S. History from 1929 to 1960	
HISUS 4180/5180 (961:116g)	Recent United States History	
HISUS 4200/5200 (961:130g)	History of Iowa	
HISUS 4210/5210 (961:141g)	The South in United States History	
HISUS 4220/5220 (961:140g)	History of the American West	
HISUS 4230/5230 (961:102g)	History of Technology in America	
HISUS 4240/5240 (961:144g)	History of American Thought	
HISUS 4245/5245 (961:122g)	African-American History	
HISUS 4255/5255 (961:124g)	The City in United States History	
HISUS 4250/5250 (961:145g)	Religion in America	
HISUS 4260/5260 (961:146g)	United States Women's History	
HISUS 4265/5265 (961:150g)	Society and Culture in the United States	
HISUS 4270/5270 (961:135g)	American Indian History	
HISUS 4275/5275 (961:142g)	United States Constitutional History	

Anthropology

ANTH 1001 (990:010)	Human Origins	3
ANTH 1002 (990:011)	Introduction to Cultural Anthropology	3
Plus 12 (or 15) hours in anthropology		12-15

Economics

ECON 1041 (920:053)	Principles of Macroeconomics *	3
ECON 1051 (920:054)	Principles of Microeconomics *	3
ECON 2112 (920:104)	Intermediate Microeconomic Theory	3
ECON 2122 (920:103)	Intermediate Macroeconomic Theory	3
Plus 6 (or 9) hours in economics **		6-9

List of Programs by Department

- * **Both** ECON 1041 (920:053) **and** ECON 1051 (920:054) will substitute for *ECON 1031 (920:024)* which will satisfy Category 5B of the Liberal Arts Core.
- ** Except ECON 1021 (920:020), ECON 1031 (920:024), ECON 1011 (920:070).

Geography

GEOG 1110 (970:040)	World Geography	3
GEOG 1120 (970:010)	Human Geography	3
GEOG 1210 (970:026)	Physical Geography	3
GEOG 1310 (970:061)	Digital Earth	3
GEOG 3210 (970:137)	Natural Hazards and Disasters	3
Plus 3 (or 6) hours in geography from the following courses:		3-6
GEOG 2210 (970:028)	Recent Climate Change	
GEOG 3110 (970:101)	Economic Geography	
GEOG 3120 (970:104)	North American Cities	
GEOG 3220 (970:100)	Environmental Geography	
GEOG 4110/5110 (970:111g)	Cultural Geography	
GEOG 4120/5120 (970:119g)	Demography and Population Geography	
GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic)	
GEOG 4160/5160 (970:151g)	Historical Geography: (Variable Topic)	
GEOG 4210/5210 (970:127g)	Climatology	

Psychology

PSYCH 1001 (400:001)	Introduction to Psychology	3
PSYCH 3002 (400:101)	Research Methods	4
One Course from each category		
Human Growth and Development (3 hours)		
PSYCH 2202 (400:120)	Developmental Psychology	3
Social, Personality, Abnormal (3 hours)		
PSYCH 2203 (400:160)	Social Psychology	
PSYCH 2401 (400:166)	Clinical Psychology	
PSYCH 2402 (400:161)	Psychology of Personality	
PSYCH 3403/5403 (400:142g)	Abnormal Psychology	
Learning, Motivation, and Emotion (3 hours)		
PSYCH 2501 (400:050)	Behavior Modification	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion	
PSYCH 3503/5503 (400:150g)	Conditioning and Learning	
Physiological, Cognition, Sensation and Perception (3 hours)		
PSYCH 2101 (400:155)	Biopsychology	
PSYCH 3103/5103 (400:152g)	Sensation and Perception	
PSYCH 3104/5104 (400:127g)	Introduction to Neurology	
PSYCH 3504/5504 (400:151g)	Memory and Language	
PSYCH 3505/5505 (400:153g)	Cognitive Psychology	

Electives (0-3 hours)

PSYCH 2201 (400:060)	Psychology of Gender
PSYCH 3003 (400:102)	Psychological Statistics
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior
PSYCH 4704/5704 (400:192g)	Practicum in Teaching Psychology

Sociology

Sociology		
SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2010 (980:108)	Research Methods	3
1 Course from Groups 2, 3, 4 and 5		
Group 2		
SOC 1060 (980:060)	Social Problems	
SOC 2075 (980:100g)	Social Psychology	
SOC 2020 (980:080)	Statistics for Social Research	
Group 3		
SOC 3001 (980:177)	Language and Culture	
SOC 3060/5060 (980:138g)	Sociology of Culture	
SOC 3080/5080 (980:120g)	Immigration and Transnationalism	
Group 4		
SOC 2030 (980:105g)	Sociology of Families	
SOC 2040 (980:156g)	Social Movements	
SOC 3085/5085 (980:172g)	Sociology of Religion	
SOC 4050 (980:101)	Sociology of Gender	
Group 5		
SOC 3045/5045 (980:135g)	Social Inequality	
SOC 3050/5050 (980:129g)	Men and Masculinities	
SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective	
Electives 0-3 Hours		0-3
SOC 3035/5035 (980:125g)	Social Gerontology	
SOC 3070/5070 (980:170g)	Sociological Theory	
SOC 3090 (980:102)	Conflict Resolution	
SOC 3102/5102 (980:168g)	Culture, Disease, and Healing	
SOC 4025/5025 (980:160g)	Quantitative Research	
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences	
SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice	
CRIM 4323/5323 (982:123g)	Social Deviance and Control	

World History

One course from Category A, one course from Category B and one from Category C:

Category A:		
HISEUA 4310/5310 (962:101g)	History of Ancient Greece	
HISEUA 4320/5320 (962:103g)	History of Ancient Rome	
HISEUA 4330/5330 (962:123g)	Greek and Roman Life and Culture	

List of Programs by Department

HISEUA 4340/5340 (962:152g)	Medieval Civilization
HISEUA 4350/5350 (962:153g)	The Renaissance and Reformation
HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment
HISEUA 4440/5440 (962:164g)	English History to 1688
HISEUA 4460/5460 (962:171g)	History of Germany to 1648
HISEUA 4480/5480 (962:151g)	The Ancient Near East

Category B:

HISEUA 4420/5420 (962:126g)	History of Ireland
HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present
HISEUB 4610/5610 (963:165g)	English History since 1688
HISEUB 4620/5620 (963:174g)	History of Modern France
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648
HISEUB 4660/5660 (963:169g)	History of Imperial Russia
HISEUB 4670/5670 (963:170g)	History of Soviet Russia
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present
HISEUB 4690/5690 (963:161g)	Modern European Women's History

Category C:

HISNW 4720/5720 (964:180g)	Modern Latin American History
HISNW 4730/5730 (964:174g)	Pre-Modern African History
HISNW 4740/5740 (964:175g)	Modern African History
HISNW 4820/5820 (964:178g)	Modern Middle East History
HISNW 4830/5830 (964:181g)	Pre-Modern South Asia
HISNW 4840/5840 (964:182g)	Modern South Asia
HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History
HISNW 4860/5860 (964:187g)	Modern Chinese History
HISNW 4870/5870 (964:127g)	Pre-Modern Japan

HISNW 4880/5880 (964:128g)	Modern Japan
Plus 9 (or 12) hours in European, Asian, Latin American and/or African history from the following courses:	
HIST 3010 (960:189)	Readings in History
HIST 3000 (960:192)	Junior-Senior Seminar
HISEUA 4310/5310 (962:101g)	History of Ancient Greece
HISEUA 4320/5320 (962:103g)	History of Ancient Rome
HISEUA 4330/5330 (962:123g)	Greek and Roman Life and Culture
HISEUA 4340/5340 (962:152g)	Medieval Civilization
HISEUA 4350/5350 (962:153g)	The Renaissance and Reformation
HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment
HISEUA 4420/5420 (962:126g)	History of Ireland
HISEUA 4440/5440 (962:164g)	English History to 1688
HISEUA 4460/5460 (962:171g)	History of Germany to 1648
HISEUA 4480/5480 (962:151g)	The Ancient Near East
HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present
HISEUB 4610/5610 (963:165g)	English History since 1688
HISEUB 4620/5620 (963:174g)	History of Modern France
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648
HISEUB 4660/5660 (963:169g)	History of Imperial Russia
HISEUB 4670/5670 (963:170g)	History of Soviet Russia
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present
HISEUB 4690/5690 (963:161g)	Modern European Women's History

Social Science Major-Teaching - Plan B - All Social Science (*Extended Program*)

The Social Science Teaching major Plan B-All Social Science requires a minimum of 126-129 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements to complete the minimum of 126-129 hours.

List of Programs by Department

This major 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 3190	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)

Upon completing 100 credit hours of college course work the student must have permission from the Undergraduate Coordinator, Social Science Program, to continue the Social Science-Teaching major based on minimum GPA requirements for full admission to the Teacher Education Program. 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 (942:014)	Introduction to American Politics	3
Plus 6 (or 12) hours in American Government.		6-12

Eligible American Government courses:

POL AMER 2131 (942:131)	American State Politics	
POL AMER 2147	Law and the Courts	
POL AMER 3112 (942:112)	Campaigns and Elections	
POL AMER 3134 (942:134)	Legislative Politics	
POL AMER 3141 (942:141)	Constitutional Law	
POL AMER 3146 (942:146)	Law and Politics	
POL AMER 3150 (942:150)	Public Opinion and Voting Behavior	
POL AMER 3151 (942:151)	Modern Presidency	
POL AMER 3166 (942:166)	Political Parties and Interest Groups	
POL INTL 3127 (943:127)	United States Foreign Policy	

American History

HISUS 1110 (961:014)	United States History to 1877	3
HISUS 1120 (961:015)	United States History since 1877	3
Plus 3 (or 9) hours in American history from the following courses:		3-9

HIST 1010 (960:010)	Introduction to the Study of History	
HIST 3010 (960:189)	Readings in History	
HISUS 4110/5110 (961:136g)	American Colonial History	
HISUS 4130/5130 (961:137g)	The Early Republic, 1785-1850	
HISUS 4140/5140 (961:139g)	Civil War and Reconstruction	
HISUS 4150/5150 (961:147g)	Foundations of Modern America: The United States, 1877-1929	
HISUS 4160/5160 (961:131g)	U.S. History from 1929 to 1960	
HISUS 4180/5180 (961:116g)	Recent United States History	
HISUS 4200/5200 (961:130g)	History of Iowa	
HISUS 4210/5210 (961:141g)	The South in United States History	
HISUS 4220/5220 (961:140g)	History of the American West	
HISUS 4230/5230 (961:102g)	History of Technology in America	
HISUS 4240/5240 (961:144g)	History of American Thought	
HISUS 4245/5245 (961:122g)	African-American History	
HISUS 4250/5250 (961:145g)	Religion in America	
HISUS 4255/5255 (961:124g)	The City in United States History	
HISUS 4260/5260 (961:146g)	United States Women's History	
HISUS 4265/5265 (961:150g)	Society and Culture in the United States	
HISUS 4270/5270 (961:135g)	American Indian History	
HISUS 4275/5275 (961:142g)	United States Constitutional History	

Economics

ECON 1041 (920:053)	Principles of Macroeconomics *	3
ECON 1051 (920:054)	Principles of Microeconomics *	3
Plus 0 (or 9) hours in economics: **		0-9

* **Both** ECON 1041 (920:053) **and** ECON 1051 (920:054) will substitute for *ECON 1031 (920:024)* which will satisfy Category 5B of the Liberal Arts Core.

** Except ECON 1021 (920:020), ECON 1031 (920:024), ECON 1011 (920:070).

Geography

GEOG 1110 (970:040)	World Geography	3
or GEOG 1120 (970:010)	Human Geography	

List of Programs by Department

GEOG 1210 (970:026) or GEOG 1310 (970:061)	Physical Geography Digital Earth	3
Plus 0 (or 9) hours from the following		0-9
GEOG 2210 (970:028)	Recent Climate Change	
GEOG 3110 (970:101)	Economic Geography	
GEOG 3120 (970:104)	North American Cities	
GEOG 3210 (970:137)	Natural Hazards and Disasters	
GEOG 3220 (970:100)	Environmental Geography	
GEOG 3230 (970:144)	Natural Regions of North America	
GEOG 4110/5110 (970:111g)	Cultural Geography	
GEOG 4120/5120 (970:119g)	Demography and Population Geography	
GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic)	
GEOG 4160/5160 (970:151g)	Historical Geography: (Variable Topic)	
GEOG 4210/5210 (970:127g)	Climatology	
GEOG 4220/5220 (970:126g)	Soils and Landscapes	
GEOG 4230/5230 (970:129g)	Rivers	

Psychology

PSYCH 1001 (400:001)	Introduction to Psychology	3
PSYCH 3002 (400:101)	Research Methods	4
Plus 0 (or 8) hours from the following		0-8
PSYCH 2201 (400:060)	Psychology of Gender	
PSYCH 2202 (400:120)	Developmental Psychology	
PSYCH 2203 (400:160)	Social Psychology	
PSYCH 2401 (400:166)	Clinical Psychology	
PSYCH 2501 (400:050)	Behavior Modification	
PSYCH 3103/5103 (400:152g)	Sensation and Perception	
PSYCH 3303/5303 (400:154g)	Health Psychology	
PSYCH 3403/5403 (400:142g)	Abnormal Psychology	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion	
PSYCH 3503/5503 (400:150g)	Conditioning and Learning	
PSYCH 3504/5504 (400:151g)	Memory and Language	
PSYCH 3505/5505 (400:153g)	Cognitive Psychology	
PSYCH 4704/5704 (400:192g)	Practicum in Teaching Psychology	

Sociology

Sociology/Criminology

SOC 1000 (980:001)	Introduction to Sociology	3
Plus 3 (or 9) hours of sociology/criminology from the following courses:		3-9
SOC 1060 (980:060)	Social Problems	

SOC 2010 (980:108)	Research Methods	
SOC 2020 (980:080)	Statistics for Social Research	
SOC 2030 (980:105g)	Sociology of Families	
SOC 2040 (980:156g)	Social Movements	
SOC 2075 (980:100g)	Social Psychology	
SOC 3001 (980:177)	Language and Culture	
SOC 3035/5035 (980:125g)	Social Gerontology	
SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice	
SOC 3045/5045 (980:135g)	Social Inequality	
SOC 3050/5050 (980:129g)	Men and Masculinities	
SOC 3060/5060 (980:138g)	Sociology of Culture	
SOC 3070/5070 (980:170g)	Sociological Theory	
SOC 3080/5080 (980:120g)	Immigration and Transnationalism	
SOC 3085/5085 (980:172g)	Sociology of Religion	
SOC 3090 (980:102)	Conflict Resolution	
SOC 3102/5102 (980:168g)	Culture, Disease, and Healing	
SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective	
SOC 4025/5025 (980:160g)	Quantitative Research	
SOC 4050 (980:101)	Sociology of Gender	
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences	
CRIM 4323/5323 (982:123g)	Social Deviance and Control	

World History

One course from Category A, one course from Category B, and one from Category C

Category A:

HISEUA 4310/5310 (962:101g)	History of Ancient Greece
HISEUA 4320/5320 (962:103g)	History of Ancient Rome
HISEUA 4330/5330 (962:123g)	Greek and Roman Life and Culture
HISEUA 4340/5340 (962:152g)	Medieval Civilization
HISEUA 4350/5350 (962:153g)	The Renaissance and Reformation
HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment
HISEUA 4440/5440 (962:164g)	English History to 1688
HISEUA 4460/5460 (962:171g)	History of Germany to 1648
HISEUA 4480/5480 (962:151g)	The Ancient Near East

Category B:

HISEUA 4420/5420 (962:126g)	History of Ireland
HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present

List of Programs by Department

HISEUB 4610/5610 (963:165g)	English History since 1688
HISEUB 4620/5620 (963:174g)	History of Modern France
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648
HISEUB 4660/5660 (963:169g)	History of Imperial Russia
HISEUB 4670/5670 (963:170g)	History of Soviet Russia
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present
HISEUB 4690/5690 (963:161g)	Modern European Women's History
Category C	
HISNW 4720/5720 (964:180g)	Modern Latin American History
HISNW 4730/5730 (964:174g)	Pre-Modern African History
HISNW 4860/5860 (964:187g)	Modern Chinese History
HISNW 4740/5740 (964:175g)	Modern African History
HISNW 4820/5820 (964:178g)	Modern Middle East History
HISNW 4830/5830 (964:181g)	Pre-Modern South Asia
HISNW 4840/5840 (964:182g)	Modern South Asia
HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History
HISNW 4870/5870 (964:127g)	Pre-Modern Japan
HISNW 4880/5880 (964:128g)	Modern Japan
Plus 0 (or 6) hours in European, Asian, Latin American and/or African history from the following courses:	
HIST 3010 (960:189)	Readings in History
HIST 3000 (960:192)	Junior-Senior Seminar
HISEUA 4310/5310 (962:101g)	History of Ancient Greece
HISEUA 4320/5320 (962:103g)	History of Ancient Rome
HISEUA 4330/5330 (962:123g)	Greek and Roman Life and Culture
HISEUA 4340/5340 (962:152g)	Medieval Civilization
HISEUA 4350/5350 (962:153g)	The Renaissance and Reformation
HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment
HISEUA 4420/5420 (962:126g)	History of Ireland

HISEUA 4440/5440 (962:164g)	English History to 1688
HISEUA 4460/5460 (962:171g)	History of Germany to 1648
HISEUA 4480/5480 (962:151g)	The Ancient Near East
HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present
HISEUB 4610/5610 (963:165g)	English History since 1688
HISEUB 4620/5620 (963:174g)	History of Modern France
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648
HISEUB 4660/5660 (963:169g)	History of Imperial Russia
HISEUB 4670/5670 (963:170g)	History of Soviet Russia
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present
HISEUB 4690/5690 (963:161g)	Modern European Women's History

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 www.grad.uni.edu/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 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 200/6000-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 (900:289) Seminar	3
Research from the College of Social and Behavioral Sciences, selected in consultation with Graduate Coordinator:	
SOC SCI 6299 (900:299) 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.A.)

- Social Work

Minor

- Social Welfare

Graduate Major (M.S.W.)

- Social Work

Program Certificates

- Child Welfare
- Conflict Resolution
- Social Work
- Substance Abuse Counseling

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 Department of Social Work, in keeping with the broader mission of the University and the purposes of professional social work education, is to prepare students for competent, effective, and ethical-beginning and advanced-professional practice and leadership; to conduct scholarship that advances knowledge; and to provide service to local, state, national, and international communities.

Using multidimensional theory, knowledge and skills, students and faculty are committed to enhancing human potential and growth in diverse human systems. This commitment is supported by the promotion of multi-cultural sensitivity, human rights, and social and economic justice within a framework of social work values and ethics.

Bachelor of Arts Degree Program Social Work Major

The Social Work major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required**Prerequisites:** 12

BIOL 1014 (840:014)	Life: Continuity and Change (or any BIOL course)
MATH 1100 (800:023)	Mathematics in Decision Making
or MATH 1420 (800:060)	Calculus I
or STAT 1772 (800:072)	Introduction to Statistical Methods
or STAT 1774 (800:064)	Introductory Statistics for Life Sciences
or CS 1025 (810:025)	Modern Tools for Exploring Data
PSYCH 1001 (400:001)	Introduction to Psychology
SOC 1000 (980:001)	Introduction to Sociology

School of Applied Human Sciences/Psychology: 3

FAM SERV 1055 (31F:055)	Human Growth and Development
or PSYCH 2202 (400:120)	Developmental Psychology

Social Work 41

SW 1001	Introduction to Social Work and Social Services
SW 1041 (450:041)	Social Welfare: A World View
SOC 2020 (980:080)	Statistics for Social Research
SW 2091 (450:091)	Practice with Individuals
SW 3185 (450:185)	Social Work Research (Only research courses taken to fulfill a minor or double major requirement will be accepted as substitutions.)
SW 3192 (450:192)	Practice with Groups and Families
SW 4144 (450:144g)	Social Policies and Issues
SW 4163 (450:163g)	Diversity and Difference
SW 4164 (450:164g)	Human Behavior and the Social Environment
SW 4196 (450:196g)	Practice with Communities and Organizations
SW 4200	Field Instruction

Select at least two of the following: 6

SW 4121 (450:121g)	Social Work in Mental Health Settings
SW 4143 (450:143g)	Self-Care and Stress Management in Helping Professions
SW 4171/5171 (450:171g)	Addictions Treatment
SW 4173/5173 (450:173g)	Social Services for Older Adults
SW 4175/5175 (450:175g)	Child Welfare Policy and Practice

List of Programs by Department

SW 4193 (450:193g)	Models of Social Work Practice	
SW 4194/5194 (450:194g)	Seminar in Social Work ***	
Total Hours		62

* SW 4200 can also be taken for 4 additional credit hours on an elective basis.

*** SW 4194/5194 (450:194g) may be repeated on different topics.

A minimum cumulative grade point average for all college work of 2.50 and a 2.50 grade point average for all UNI courses taken is required for admission to the Social Work major. A minimum UNI grade point average of 2.50 is required for graduation as a Social Work major.

Prior to the initiation of the second Social Work Practice course, Social Work majors are required to complete a departmentally-approved, 30-contact-hour service experience in a social service agency.

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 2091 (450:091) and SW 3192 (450:192) with a minimum grade of C in each course; SW 1001; SW 4164 (450:164g); SW 3185 (450:185); statistics course; and a minimum UNI grade point average of 2.50.

Students who graduate with a major in Social Work receive a Bachelor of Arts degree with a Social Work Certificate.

Minor Social Welfare Minor

Students complete two required courses and four elective courses offered by the Department of Social Work for a total of 18 hours. If a student chooses to major in Social Work, all the courses taken for the Minor in Social Welfare 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.

While the Minor in Social Welfare does not prepare students to practice as social workers or to be licensed as social workers in the State of Iowa (LBSW), it will provide an understanding of social welfare and social service programs, and introduce students to the wide variety of Social Work positions in government agencies, nonprofit organizations, and the for-profit sector. The minor will provide a basic understanding of the profession of Social Work and prepare students for graduate studies in Social Work leading to a Master's of Social Work (MSW) degree.

Only students who graduate with a major in Social Work from a program accredited by the Council on Social Work Education (CSWE) will be considered for Advanced Standing in the MSW program.

Required Core Courses:

SW 1001	Introduction to Social Work and Social Services	3
SW 1041 (450:041)	Social Welfare: A World View	3
Electives (Select four courses from the following):		12
SW 2045 (450:045)	American Racial and Ethnic Minorities	

SW 3102 (450:102)	Conflict Resolution
SW 4121 (450:121g)	Social Work in Mental Health Settings
SW 4143 (450:143g)	Self-Care and Stress Management in Helping Professions
SW 4144 (450:144g)	Social Policies and Issues
SW 4163 (450:163g)	Diversity and Difference
SW 4164 (450:164g)	Human Behavior and the Social Environment
SW 4171/5171 (450:171g)	Addictions Treatment
SW 4173/5173 (450:173g)	Social Services for Older Adults
SW 4175/5175 (450:175g)	Child Welfare Policy and Practice
Total Hours	18

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 the advanced practice of social work in a variety of public and nonprofit settings. There are two avenues to the M.S.W. degree: the **Two Year 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.

All M.S.W. students complete a concentration in either **Trauma Informed Practice** or **Social Administration Practice**. The Trauma Informed Practice concentration is designed to prepare students for advanced social work practice with individuals, families, and groups using a trauma informed approach. The Social Administration concentration is designed to prepare students for advanced administrative practice including: leadership, program planning and development; organizational development and change; and how to seek effective funding for programs. The social administration concentration also incorporates a trauma informed approach.

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 **Two Year program** requires a **minimum of 60 semester hours**, which consists of a generalist Foundation Core of 26 semester hours, an Advanced Core of 6 hours, followed by the completion of one of the two concentrations (28 semester hours) and 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.

The **Advanced Standing program** requires a **minimum of 37 semester hours**. The program consists of a summer Advanced Core of 9 hours, preceding two academic terms of concentration courses and 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.

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 www.grad.uni.edu/admission.

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, using the official M.S.W. departmental reference forms.
3. An experience narrative.
4. A personal statement.
5. A resume'.
6. 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 Two Year Program:

Social Work foundation core: (for all two year students)

SW 6212 (450:212)	Human Behavior and the Social Environment Micro	3
SW 6214 (450:214)	Social Work Practice I	3
SW 6215 (450:215)	Social Work Practice II	3
SW 6216 (450:216)	Social Work Practice with Organizations and Communities	3
SW 6218 (450:218)	Introduction to Social Work Research	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	

Social Work Advanced Core: (for all two-year students)

SW 6234	Primary and Secondary Trauma	3
SW 6235	Systems Redesign and Community Collaboration	3
Concentration: (select Trauma Informed Practice or Social Administration)		28
Total Hours		60

Required for Advanced Standing Program:

Social Work advanced core: (for all advanced standing students)

SW 6234	Primary and Secondary Trauma	3
SW 6235	Systems Redesign and Community Collaboration	3
SW 6218 (450:218)	Introduction to Social Work Research	3
Concentration: (select Trauma Informed Practice or Social Administration)		28
Total Hours		37

Trauma Informed Practice Concentration:

Social Work:

SW 6246	Trauma Informed Practice I	3
SW 6247	Trauma Informed Practice II	3
SW 6244 (450:244)	Advanced Social Work Practice with Families	3
SW 6263 (450:263)	Grant Writing, Fund Raising, Contracting, and Marketing	3
SW 6265	Advanced Social Work Research	3
SW 6268	Trauma Informed Practice Practicum I	3
SW 6269	Trauma Informed Practice Practicum I Seminar	2
SW 6270	Trauma Informed Practice Practicum II	3
SW 6271	Trauma Informed Practice Practicum II Seminar	2

Or students may substitute the following for SW 6268, SW 6269, SW 6270, and SW 6271:

SW 6266	Trauma Informed Practice Practicum	
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List of Programs by Department

SW 6267	Trauma Informed Practice Practicum Seminar	
*Electives to be selected in consultation with program advisor		3
Total Hours		28

Social Administration Concentration:

SW 6213 (450:213)	Post-Traumatic Growth Across Cultures	3
SW 6262 (450:262)	Program Planning and Design	3
SW 6263 (450:263)	Grant Writing, Fund Raising, Contracting, and Marketing	3
SW 6265	Advanced Social Work Research	3
SW 6276	Advanced Social Administration Practicum II	4
SW 6274	Advanced Social Administration Practicum I	4
SW 6275	Advanced Social Administration Practicum I Seminar	1
SW 6277	Advanced Social Administration Practicum II Seminar	1
SW 6278	Social Intervention: Policies and Services	3

Or students may substitute the following for SW 6274, SW 6275, SW 6276, and SW 6277:

SW 6272	Advanced Social Administration Practicum	
SW 6273	Advanced Social Administration Practicum Seminar	
*Electives to be selected in consultation with program advisor		3
Total Hours		28

*** 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.

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.

Child Welfare Certificate

Must be a major in Social Work to complete this program certificate.

Required:

SW 4175/5175 (450:175g)	Child Welfare Policy and Practice	3
POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law	3
SW 4200	Field Instruction	11-15

Select one of the following:

SW 3102 (450:102)	Conflict Resolution	
SW 4171/5171 (450:171g)	Addictions Treatment	

Select one of the following:

PSYCH 3403/5403 (400:142g)	Abnormal Psychology	3
PSYCH 3603/5603 (400:125g)	Child and Adolescent Psychopathology	
SW 4193 (450:193g)	Models of Social Work Practice	

Total Hours		23-27
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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 4164 (450:164g); SW 3185 (450:185) SW 3185 (450:185)SW 3185 (450:185) and a statistics course; completion of SW 2091 (450:091) and SW 3192 (450:192) with a minimum grade of C in each course; Social Work major; minimum UNI GPA of 2.40; senior standing.

Conflict Resolution Certificate

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

Social Work/Sociology/Anthropology:

List of Programs by Department

SW 3102/SOC 3090 (980:102)/ ANTH 3470 (990:102) or COMM 4333/5333 (48C:148g)	Conflict Resolution Communication and Conflict Management	3
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Electives: select four courses from the lists below: * 12

Micro Systems track courses

Teaching:		
TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application	

School of Applied Human Sciences:

FAM SERV 1010 (31F:010)	Human Identity and Relationships	
FAM SERV 1020 (31F:020)	Family Relationships	
FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships	
FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis	

Psychology:

PSYCH 2201 (400:060)	Psychology of Gender **	
PSYCH 2203 (400:160)	Social Psychology **	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences **	

Social Work:

SW 4143 (450:143g)	Self-Care and Stress Management in Helping Professions	
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Communication Studies:

COMM 4316/5316 (48C:136g)	Mediation Theory and Process **	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4355/5355 (48C:141g)	Listening	
COMM 4447/5447 (48C:108g)	Performance and Social Change	

Macro Systems track courses

Social Work/Social Science:		
SW/SOC SCI 1041	Social Welfare: A World View	
SW 4163 (450:163g)	Diversity and Difference **	

Social Science:

SOC SCI 1020 (900:020)	Women, Men, and Society	
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Political Science:

POL INTL 3120 (943:120)	International Security	
POL INTL 4125/5125 (943:125g)	North-South Relations	
POL INTL 3126 (943:126)	Human Rights	
POL COMP 3123 (944:123)	Nationalism	

History:

HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present	
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Geography:

GEOG 3220 (970:100)	Environmental Geography	
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Sociology:		
SOC 2040 (980:156g)	Social Movements **	
SOC 2075 (980:100g)	Social Psychology **	
SOC 3045/5045 (980:135g)	Social Inequality **	
SOC/ANTH 3080	Immigration and Transnationalism **	

Total Hours 15

* Courses are listed under separate tracks to guide your preference of micro or macro preparation. At least one course must be selected from each track. A minimum grade of C is required for each course.

** These courses have additional prerequisites as follows: PSYCH 2201 (400:060), PSYCH 3404/5404 (400:106g), and PSYCH 2203 (400:160), have prerequisite of PSYCH 1001 (400:001). Course PSYCH 1001 (400:001) may be used to satisfy Category 5B of the Liberal Arts Core. SW 4163 (450:163g), SOC 2040 (980:156g), SOC 2075 (980:100g), SOC 3045/5045 (980:135g), AND SOC 3080/5080 (980:120g) have prerequisite of SOC 1000 (980:001). SOC 1000 (980:001) may be used to satisfy Category 5A of the Liberal Arts Core. COMM 4316/5316 (48C:136g) has prerequisite of COMM 2344 (48C:004).

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.

Social Work Certificate

Students who graduate with a major in Social Work from UNI receive a Bachelor of Arts degree with a Social Work Certificate. For information on this major see Social Work major within this Department of Social Work section.

Substance Abuse Counseling 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 B.A.) and the specific course work and field instruction experiences as indicated.

Required

Social Work:		
SW 4171/5171 (450:171g)	Addictions Treatment	3

Electives: select three of the following 9

Psychology:		
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	

Social Work:		
SW 4121 (450:121g)	Social Work in Mental Health Settings	
SW 4143 (450:143g)	Self-Care and Stress Management in Helping Professions	

List of Programs by Department

SW 4175/5175 (450:175g)	Child Welfare Policy and Practice
Total Hours	12

Field Instruction: Students will spend a total of 440 service hours in an inpatient or outpatient treatment program. To secure a field placement site the student may need to travel out of town. Experience with individuals, families, and groups will be required.

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
- Criminology
- Sociology

Undergraduate Major (B.A.S.)

- Criminal Justice
- Tactical Emergency Services with Vulnerable Populations (also listed under interdisciplinary section)

Minors

- Anthropology
- Criminology
- Sociology

Program Certificates

- Sociology of Inequality
- Sociology of Family and Life Course
- Sociology of Gender and Culture
- Sociology of Race/Ethnicity and Immigration
- Crime Mapping and Analysis (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 Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required

ANTH 1001 (990:010)	Human Origins	3
ANTH 1002 (990:011)	Introduction to Cultural Anthropology	3
ANTH 3001 (990:177)	Language and Culture	3
ANTH 4001/5001 (990:176g)	Anthropological Theory	3

Required Electives in Major

1. Statistics (select one from the following):		3
SOC 2020 (980:080)	Statistics for Social Research	
STAT 1772 (800:072)	Introduction to Statistical Methods	

2. Cultural Anthropology (select one from the following):

ANTH 3101/5101 (990:164g)	Psychological Anthropology	
ANTH 3102/5102 (990:168g)	Culture, Disease, and Healing	
ANTH 3103 (990:161)	Religion, Magic, and Witchcraft	
ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective	

3. Physical Anthropology (select one from the following):

ANTH 3201 (990:151)	Physical Anthropology: History and Theory	3
ANTH 3202/5202 (990:152g)	Human Biological Variation	

4. Pre-History (select one from the following):

ANTH 3302 (990:142)	Archaeology of the New World	3
ANTH 3303 (990:143)	Archaeology of the Old World	

5. Methods and Research (select one from the following):

ANTH 3420 (990:155)	Forensic Anthropology	3
ANTH 3431/5431 (990:171g)	Interpreting the Archaeological Record	
ANTH 3440/5440 (990:125g)	Introduction to Museum Studies	
ANTH 3450 (990:172)	Archaeological Fieldwork	
ANTH 4015/5015 (990:178g)	Qualitative Research	
ANTH 4485	Anthropology Internship	

Electives in Anthropology

Electives in Sociology

Total Hours		36
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Criminology Major

The Criminology major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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

Sociology and Criminology:		
SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2010 (980:108)	Research Methods	3
SOC 2020 (980:080)	Statistics for Social Research	3
or PSYCH 3003 (400:102)	Psychological Statistics	

or STAT 1772 (800:072)	Introduction to Statistical Methods	
CRIM 2022 (982:022)	Criminal Justice System	3
CRIM 2025 (982:025)	Criminology	3
CRIM 4575 (982:175)	Senior Seminar in Criminology	3

Group 1 - Crime and Criminals

Select from the following: 9-12

Criminology:

CRIM 2112 (982:112)	White Collar Crime
CRIM 2127 (982:127)	Juvenile Delinquency
CRIM 2152 (982:152)	Crime and Community
CRIM 3151 (982:151)	Crime and Social Inequality
CRIM 3319/5319 (982:119g)	Victimology
CRIM 4122/5122 (982:122g)	Youth Gangs
CRIM 4137/5137 (982:137g)	Homicide
CRIM 4323/5323 (982:123g)	Social Deviance and Control
CRIM 4331/5331 (982:131g)	Women, Crime and Society
CRIM 4369/5369 (982:169g)	Drugs, Crime, and Society
CRIM 4381/5381 (982:181g)	Topics in Criminology (as designated)

Group 2 - Policy, Law and Justice

Select from the following: 6-9

Criminology:

CRIM 2134	Crime Analysis
CRIM 2217 (982:117)	Community Corrections
CRIM 2232 (982:132)	Juvenile Justice
CRIM 3225	Criminal Court System
CRIM 3226/5226 (982:126g)	Crime and Punishment
CRIM 3228	Mental Health and the Criminal Justice System
CRIM 3314	Ethics in Crime, Law and Justice
CRIM 4216/5216 (982:116g)	Correctional Treatment: Theory and Practice
CRIM 4224/5224 (982:124g)	Police and Society
CRIM 4228/5228 (982:128g)	Law and Society
CRIM 4253/5253 (982:153g)	Crime and Public Policy
CRIM 4371	Topics in Criminal Justice

Group 3 - Interdisciplinary and Applied Studies in Criminology

Select from the following: 3-6

Criminology:

CRIM 3130	Readings in Criminology
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Psychology:

PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior
PSYCH 3403/5403 (400:142g)	Abnormal Psychology

Political Science:

POL AMER 2147	Law and the Courts
POL AMER 3144 (942:144)	Civil Rights and Liberties
POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law
POL COMP 3121 (944:121)	Terrorism and Insurgency

Sociology:

SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice
SOC 3080/5080 (980:120g)	Immigration and Transnationalism

Criminology:

CRIM 3179 (982:179)	Cooperative Education
CRIM 4198 (982:198)	Independent Study
CRIM 4485 (982:185)	Criminology Internship
CRIM 4585	Practical Field Experience

Anthropology:

ANTH 3420 (990:155)	Forensic Anthropology
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Family Services:

FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships
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Social Work:

SW 3102/SOC 3090 (980:102)	Conflict Resolution
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Total hours 39

* 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.

Note: Students majoring in criminology should take CRIM 2022 (982:022) and CRIM 2025 (982:025) before taking any 100-level courses within the major (see course descriptions for 4-digit numbers associated with these 100-level courses).

Graduation note: In order to graduate with a major in criminology, students must achieve a total major GPA of at least 2.33.

Criminology Major Criminal Justice Emphasis**Required**

Sociology and Criminology		
SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2010 (980:108)	Research Methods	3
SOC 2020 (980:080)	Statistics for Social Research	3
or PSYCH 3003 (400:102)	Psychological Statistics	
or STAT 1772 (800:072)	Introduction to Statistical Methods	
CRIM 2022 (982:022)	Criminal Justice System	3
CRIM 2025 (982:025)	Criminology	3
CRIM 4575 (982:175)	Senior Seminar in Criminology	3

Electives chosen from each group below (minimum number of hours specified in each group plus 3 more hours from any group) 30

Group 1 Crime and Criminals

Select 6-9 hours from the following

Criminology

CRIM 2112 (982:112)	White Collar Crime
CRIM 2127 (982:127)	Juvenile Delinquency
CRIM 2152 (982:152)	Crime and Community
CRIM 3151 (982:151)	Crime and Social Inequality
CRIM 3319/5319 (982:119g)	Victimology

List of Programs by Department

CRIM 4122/5122 (982:122g)	Youth Gangs
CRIM 4137/5137 (982:137g)	Homicide
CRIM 4323/5323 (982:123g)	Social Deviance and Control
CRIM 4331/5331 (982:131g)	Women, Crime and Society
CRIM 4369/5369 (982:169g)	Drugs, Crime, and Society
CRIM 4381/5381 (982:181g)	Topics in Criminology
Group 2 Law, Policy, & Justice	
Select 9-12 hours from the following	
Criminology:	
CRIM 2134	Crime Analysis
CRIM 2217 (982:117)	Community Corrections
CRIM 2232 (982:132)	Juvenile Justice
CRIM 3225	Criminal Court System
CRIM 3226/5226 (982:126g)	Crime and Punishment
CRIM 3228	Mental Health and the Criminal Justice System
CRIM 3314	Ethics in Crime, Law and Justice
CRIM 4216/5216 (982:116g)	Correctional Treatment: Theory and Practice
CRIM 4224/5224 (982:124g)	Police and Society
CRIM 4228/5228 (982:128g)	Law and Society
CRIM 4253/5253 (982:153g)	Crime and Public Policy
CRIM 4371	Topics in Criminal Justice
Group 3 Interdisciplinary and Individual Studies	
Select 3 hours from the following	
Anthropology	
ANTH 3420 (990:155)	Forensic Anthropology
Criminology	
CRIM 3130	Readings in Criminology
CRIM 3179 (982:179)	Cooperative Education
CRIM 4198 (982:198)	Independent Study
CRIM 4485 (982:185)	Criminology Internship
American Politics	
POL AMER 2147	Law and the Courts
POL AMER 3144 (942:144)	Civil Rights and Liberties
POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law
Comparative Politics	
POL COMP 3121 (944:121)	Terrorism and Insurgency
Psychology	
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior
PSYCH 3403/5403 (400:142g)	Abnormal Psychology
Sociology	
SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice
SOC 3080/5080 (980:120g)	Immigration and Transnationalism
Family Services:	
FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships
Social Work:	

SW 3102/SOC 3090 (980:102) Conflict Resolution

Group 4 Applied Criminal Justice

Select nine (9) hours from the following:

CRIM 2500	Criminal Law and Procedure
CRIM 2502	Report Writing in Criminal Justice
CRIM 2504	Criminal Investigation
CRIM 2506	Criminalistics
CRIM 4391	Topics in Applied Criminal Justice

Total Hours 48

Sociology Major

The Sociology major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

I. Required courses:

SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2000	The Sociological Career	3
SOC 2010 (980:108)	Research Methods	3
SOC 3070/5070 (980:170g)	Sociological Theory	3
Select one of the following:		3

SOC 2020 (980:080)	Statistics for Social Research
PSYCH 3003 (400:102)	Psychological Statistics

II. Electives (no more than 6 hours may be 1000- or 2000-level)

SOC 1060 (980:060)	Social Problems
SOC 2030 (980:105g)	Sociology of Families
SOC 2040 (980:156g)	Social Movements
SOC 2075 (980:100g)	Social Psychology
SOC/ANTH 3001	Language and Culture
SOC 3035/5035 (980:125g)	Social Gerontology
SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice
SOC 3045/5045 (980:135g)	Social Inequality
SOC 3050/5050 (980:129g)	Men and Masculinities
SOC 3060/5060 (980:138g)	Sociology of Culture
SOC/ANTH 3080	Immigration and Transnationalism
SOC 3085/5085 (980:172g)	Sociology of Religion
SOC 3090/ANTH 3470 (990:102)	Conflict Resolution
SOC/ANTH 3102	Culture, Disease, and Healing
SOC/CAP 3151	Money, Sex and Power: Theories of Race, Class and Gender
SOC 3175/5175	Environmental Sociology
SOC 3179 (980:179)	Cooperative Education
SOC 3411/ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective
SOC 4050 (980:101)	Sociology of Gender

SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences	
CRIM 3151 (982:151)	Crime and Social Inequality	
CRIM 4331/5331 (982:131g)	Women, Crime and Society	
SOC 4198 (980:198)	Independent Study	
III. Professional Development elective:		3
SOC 4015/5015 (980:178g)	Qualitative Research	
SOC 4025/5025 (980:160g)	Quantitative Research	
SOC 4035/5035	Program and Policy Evaluation	
SOC 4485	Sociology Internship	
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. 23-24 hours of Liberal Arts Core classes, as outlined below (of which 9 hours can be transferred in as LAC 1A, 1B, and 1C);
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.

Liberal Arts Core Requirements for B.A.S. Degree*:

Students must meet the following undergraduate Liberal Arts Core requirements as specified below.

Summary:

1. 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.	
2. Category 2: Civilizations & Cultures (1 course from Category 2A or 2B)	3

3. Category 3: Fine Arts, Literature, Philosophy & Religion (1 course from Category 3A or 3B)	3
4. Category 4: Natural Science & Technology (1 course from Category 4A or 4B)	3
5. Category 5: Social Science (1 course from Category 5A, 5B, or 5C)	3
6. 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 (48C:173)	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 (980:001) Introduction to Sociology or SOC 1060 (980:060) Social Problems or culture/diversity related class approved by BAS Criminal Justice Major Advisor.

CRIM 2022 (982:022) Criminal Justice System

CRIM 2025 (982:025) Criminology

Required:

CRIM 2021	Applied Methods and Data Analysis in Criminal Justice	3
CRIM 2152 (982:152)	Crime and Community	3
CRIM 2220	Communication Ethics for Criminal Justice Professionals	3
CRIM 3151 (982:151)	Crime and Social Inequality	3
CRIM 3319/5319 (982:119g)	Victimology	3
CRIM 4371	Topics in Criminal Justice	3
CRIM 4575 (982:175)	Senior Seminar in Criminology	3
Total Hours		21

Suggested Sequence

Term 1		
CRIM 2152 (982:152)	Crime and Community	3
LAC/Elective		3
Term 2		
CRIM 3151 (982:151)	Crime and Social Inequality	3
LAC/Elective		3
Term 3		
LAC/Elective		3
LAC/Elective		3
Term 4		
CRIM 3319/5319 (982:119g)	Victimology	3

List of Programs by Department

LAC/Elective		3
Term 5		
CRIM 4371	Topics in Criminal Justice	3
LAC/Elective		3
Term 6		
LAC/Elective		3
LAC/Elective		3
Term 7		
CRIM 2021	Applied Methods and Data Analysis in Criminal Justice	3
LAC/Elective		3
Term 8		
LAC/Elective		3
CRIM 2220	Communications Ethics for Criminal Justice Professionals	3
Term 9		
LAC/Elective		3
LAC/Elective		3
Term 10		
CRIM 4575 (982:175)	Senior Seminar in Criminology	3
LAC/Elective		3

Tactical Emergency Services with Vulnerable Populations Major

The Bachelor of Applied Sciences degree in Tactical Emergency Services with Vulnerable Populations is an interdisciplinary program offered jointly by the College of Social and Behavioral Sciences, College of Humanities, Arts and Sciences, and College of Education. This program is administered through the College of Social and Behavioral Sciences under the jurisdiction and general supervision of the College Dean, with a designated program director.

The Bachelor of Applied Sciences degree in Tactical Emergency Services with Vulnerable Populations is designed for practitioners of tactical emergency services who are interested in earning a Bachelor of Applied Sciences with specialization in diverse and vulnerable populations in their technical fields. Admission to the major is limited to students with an AAS degree in one or more of the following tactical operator fields: Fire Sciences, Emergency Medical Services, Emergency Management, Law Enforcement, Homeland Security, Military Sciences, and related degrees. Two or more years of professional experience in one of these fields is preferred but **NOT** required.

This major requires 30 credit hours, which includes 19 hours of required core courses; 8 hours of major electives; and 3 credit hours of a final field practicum with a culminating project serving vulnerable populations. As the B.A.S. degree requires the completion of 60 credit hours, students can use the remaining hours to complete any outstanding LAC requirements that did not transfer, and any other university or major electives.

All UNI courses will be provided via distance education and/or online, in order to target place-bound working adults around the state and nation. Students can be full-time or part-time. Part-time students will take at least 2 courses per semester online. The CSBS advisor for this interdisciplinary degree will assist students in proceeding through the degree successfully online through distance learning.

In order to graduate, students must have completed 60 credit hours, as well as a field-based practicum and culminating project and paper with vulnerable populations as part of their required courses, and an exit GPA of at least 2.0. Additional exit requirements also include successful completion of the following certificate trainings which are offered through multiple national organizations such as the Red Cross, American Heart Association, and the Federal Emergency Management Agency:

First Aid

Blood-borne Pathogens

Hazardous Materials

CPR (Basic)

FEMA Incident Command System Trainings: 100, 200, 300, 400, 700 and 800

Required Major Courses:

Communication Studies:		
COMM 3000/5000 (48C:166g)	Selected Topics in Communication	3
COMM 4344/5344 (48C:151g)	Intercultural Communication	3
Earth Sciences:		
EARTHSCI 1200 (870:021)	Elements of Weather	3
Health, Physical Education and Leisure Services		
HPE 4247/5247 (410:147g)	Minority Health	
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions	
HPE 4438/5438 (410:138g)	International Health	
Sociology, Anthropology and Criminology:		
ANTH 4010/5010	Climate Change, Human Migration and Conflict	3
Psychology:		
PSYCH 2201 (400:060)	Psychology of Gender *	3
PSYCH 2203 (400:160)	Social Psychology *	
Major Electives:		
SOC 3080/5080 (980:120g)	Immigration and Transnationalism **	8
HPE 4665/5665 (410:165g)	Environmental Health Science	
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	
ANTH 1002 (990:011)	Introduction to Cultural Anthropology	
PSYCH 2302 (400:070)	Psychology and Law	
PSYCH 3303/5303 (400:154g)	Health Psychology	
SW 4186	Studies in: Social Work with Persons with Disabilities	
PSYCH 3304/5304 (400:158g)	Organizational Psychology	
FAM SERV 1140	Culture and Marriage	
WGS 1040 (680:040)	Women's and Gender Studies: Introduction	
HPE 1101 (410:005)	Introduction to Public Health	

Area Studies courses can also be counted towards electives.

Additional courses may be substituted in as major electives, upon approval of the program director.

Required Field Practicum and Culminating Project for the Major 3

(Select one of the following courses, taken during the last semester)

HPE 4768 (410:168)	Field Experience in Health Promotion	
HPE 4161/5161 (410:161g)	Global Service Mission	
CRIM 4485 (982:185)	Criminology Internship	

Total Hours 30

* PSYCH 2201 (400:060) and PSYCH 2203 (400:160) have prerequisite of PSYCH 1001 (400:001).

** SOC 3080/5080 (980:120g) has prerequisite of SOC 1000 (980:001) or ANTH 1002 (990:011).

*** SOC 3170 has prerequisite of 2 hours in sociology including SOC 2010 (980:108) or consent of instructor.

Minors

Anthropology Minor

Required

Anthropology:		
ANTH 1001 (990:010)	Human Origins	3
ANTH 1002 (990:011)	Introduction to Cultural Anthropology	3
ANTH 4001/5001 (990:176g)	Anthropological Theory	3
Electives in anthropology		9
Total Hours		18

Criminology Minor

Required:

Sociology:		
SOC 1000 (980:001)	Introduction to Sociology	3
Criminology:		
CRIM 2022 (982:022)	Criminal Justice System	3
CRIM 2025 (982:025)	Criminology	3
Electives:		
Nine hours of courses with CRIM prefix		9
Total Hours		18

Sociology Minor

Required

Sociology:		
SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2010 (980:108)	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 (980:198) 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 Inequality

Required

Sociology:		
SOC 1000 (980:001)	Introduction to Sociology *	3
SOC 2010 (980:108)	Research Methods *	3
Select three of the following: **		9

Sociology:		
SOC 2040 (980:156g)	Social Movements	
SOC 3045/5045 (980:135g)	Social Inequality	
SOC 3050/5050 (980:129g)	Men and Masculinities	
SOC 3080/5080 (980:120g)	Immigration and Transnationalism	
or ANTH 3080/5080 (990:120g)	Immigration and Transnationalism	
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences	

Criminology:		
CRIM 3151 (982:151)	Crime and Social Inequality ***	

Total Hours 15

* Students are advised to take SOC 1000 (980:001) and SOC 2010 (980:108) before taking any of the courses listed below.

** Students may not count any course toward more than two certificates.

*** CRIM 3151 (982:151) has prerequisites SOC 1000 (980:001); CRIM 2022 (982:022) and junior standing.

Certificate in Sociology of Family and Life Course

Required

Sociology:		
SOC 1000 (980:001)	Introduction to Sociology *	3
SOC 2010 (980:108)	Research Methods *	3
Select three of the following: **		9

Sociology:		
SOC 2030 (980:105g)	Sociology of Families	
SOC 3035/5035 (980:125g)	Social Gerontology	
SOC 3085/5085 (980:172g)	Sociology of Religion	

List of Programs by Department

SOC 4050 (980:101)	Sociology of Gender
Philosophy and World Religions:	
RELS/PHIL 3110	Perspectives on Death and Dying
Anthropology:	
ANTH/RELS 3103	Religion, Magic, and Witchcraft
Criminology:	
CRIM 2127 (982:127)	Juvenile Delinquency ***
Total Hours	15

- * Students are advised to take SOC 1000 (980:001) and SOC 2010 (980:108) before taking any of the courses listed below.
- ** Students may not count any course toward more than two certificates.
- *** CRIM 2127 (982:127) has prerequisites of CRIM 2025 (982:025) and SOC 1000 (980:001).

Certificate in Sociology of Gender and Culture

Required

Sociology:	
SOC 1000 (980:001)	Introduction to Sociology * 3
SOC 2010 (980:108)	Research Methods * 3
Select three of the following: *	9
Sociology:	
SOC 2075 (980:100g)	Social Psychology
SOC/ANTH 3001	Language and Culture
SOC 3050/5050 (980:129g)	Men and Masculinities
SOC 3060/5060 (980:138g)	Sociology of Culture
SOC/ANTH 3102	Culture, Disease, and Healing
SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective
or PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective
or ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective
SOC 4050 (980:101)	Sociology of Gender
Criminology:	
CRIM 4331/5331 (982:131g)	Women, Crime and Society
Total Hours	15

- * Students are advised to take Introduction to Sociology (SOC 1000 (980:001)) and Research Methods (SOC 2010 (980:108)) before taking any of the courses listed below.
- ** Students may not count any course toward more than two certificates.
- *** Course CRIM 4331/5331 (982:131g) has prerequisites of SOC 1000 (980:001); SOC 2010 (980:108); junior standing.

Certificate in Sociology of Race/Ethnicity and Immigration

Required

Sociology:	
SOC 1000 (980:001)	Introduction to Sociology * 3
SOC 2010 (980:108)	Research Methods * 3
Select three of the following: *	9
Sociology:	
SOC 2040 (980:156g)	Social Movements
SOC 2075 (980:100g)	Social Psychology
SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice
SOC 3060/5060 (980:138g)	Sociology of Culture
SOC 3080/5080 (980:120g)	Immigration and Transnationalism
or ANTH 3080/5080 (990:120g)	Immigration and Transnationalism
SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective
or PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective
or ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective
Total Hours	15

- * Students are advised to take SOC 1000 (980:001) and SOC 2010 (980:108) before taking any of the courses listed below.
- ** Students may not count any course toward more than two certificates.

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 4224/5224 (982:124g)	Police and Society 3
Geography:	
GEOG 3310 (970:164)	Geographic Information Systems I 3
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic) 3
Sociology:	
SOC 1000 (980:001)	Introduction to Sociology 3
SOC 2020 (980:080)	Statistics for Social Research 3
or STAT 1772 (800:072)	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
- Special Education-Teaching
 - Instructional Strategist (declared Summer 2014 or after)

Graduate Major (M.A.E.)

- Special Education

Program Certificates

- Inclusive Education
- Special Education Instructional Coaching

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, Elementary, or Secondary Education major and complete student teaching TEACHING 3135 in both the major and the Early Childhood Special Education minor endorsement area.

Required

SPED 3150 (220:150)	Meeting the Needs of Diverse Learners in Classrooms	2
SPED 4140/5140 (220:140g)	Services to Families with Infants and/or Toddlers with Developmental Delays or Disabilities	3
SPED 4192/5192 (220:192g)	Experience in Special Education: Practicum in Early Childhood Special Education: Birth-Three	1-3
SPED 4141/5141 (220:141g)	Including Young Children with Special Needs Into the General Education Programs	3
SPED 4192/5192 (220:192g)	Experience in Special Education: Practicum in Early Childhood Special Education: Three to Six	3
SPED 4150/5150	Introduction to Special Education: Legal, Advocacy, and Assistive Technology Practices and Issues	3
ELEMECML 3149/5149	Child, Family, School and Community Relationships	3
or SPED 4145/5145	Community Resources for Special Education	

CSD 4100/5100 (51C:160g)	Augmentative Communication	2
Total Hours		20-22

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 (220:151g)	Educational and Post-School Transition Programming for Individuals with Disabilities	3
SPED 4161/5161	Educational Management in Special Education	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)	3
or SPED 4173/5173	Instructional Methods for Inclusive Learning (5-12)	
AND		
SPED 4192/5192 (220:192g)	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 (220:192g).
Instructional Strategist I 5-12: SPED 4173/5173 and corequisite SPED 4192/5192 (220:192g).
Instructional Strategist II Intellectual Disabilities K-12: SPED 4173/5173 and SPED 4192/5192 (220:192g).

List of Programs by Department

** And Student Teaching TEACH 3135 (4-12 hours) in specific endorsement area

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 the Special Education Consultant endorsement 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.

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 www.grad.uni.edu/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 **thesis** and **non-thesis** options, and requires a **minimum of 30 semester hours. A minimum of 18 hours of 200/6000-level course work is required for both thesis and non-thesis options.**

Students on the **thesis** option must complete 6 hours of SPED 6299 (220:299) Research and present a defense of the thesis. Students on the **non-thesis** option must submit an acceptable graduate research paper and successfully complete a final written comprehensive examination.

Required professional core

Educational Psychology:		
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3

Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	3

Required special education

SPED 6260 (220:260)	Special Education Law and Policy	3
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Special Education:		
SPED 6289 (220:289)	Seminar	3
or SPED 4180/5180	Interdisciplinary Study of Disability	

Emphasis in special education (choose one from below)		18
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Total Hours		30
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Field Specialization Emphasis

Required

Special Education:		
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SPED 6293 (220:293)	Qualitative Research in Special Education	3
SPED 6295 (220:295)	Single-Subject Research Applications	3
Approved electives *		12
Total Hours		18

* 6 hrs of SPED 6299 (220:299) Research required on thesis option.

Special Education Consultant Emphasis

Required

Elementary, Early Childhood, and Middle Level Education:		
ELEMECML 6221 (210:221)	Analysis and Design of Curriculum for Young Children	3
Special Education:		
SPED 6240 (220:240)	Collaborative Consultation I: The Relationship	3
SPED 6245 (220:245)	Collaborative Consultation II: The Process	3
SPED 6290 (220:290)	Practicum	3
Approved electives *		6
Total hours		18

* 6 hrs of SPED 6299 (220:299) Research required on thesis option.

Transition Programming for College and Careers Emphasis

Required

Special Education:		
SPED 6254 (220:254)	Vocational and Transition Assessment of Individuals with Disabilities	3
SPED 6293 (220:293)	Qualitative Research in Special Education	3
SPED 4188/5188	Coordination Techniques in Cooperative Work-based Learning Programs	3
SPED 6295 (220:295)	Single-Subject Research Applications	3
Approved electives *		6
Total Hours		18

* 6 hrs of SPED 6299 Research required on thesis option.

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 (220:260)	Special Education Law and Policy	3
SPED 6256 (220:256)	Best Practices in Inclusion	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 4182/5182	Introduction to Assistive Technology for Instruction	3
SPED 4192/5192 (220:192g)	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 proposed *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 (220:240)	Collaborative Consultation I: The Relationship	3
SPED 6245 (220:245)	Collaborative Consultation II: The Process	3
SPED 6260 (220:260)	Special Education Law and Policy	3
SPED 6289 (220:289)	Seminar	3
SPED 6290 (220:290)	Practicum	3
ELEMECML 6221 (210:221)	Analysis and Design of Curriculum for Young Children	3
Total Hours		18

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 Coordinator of Teacher Education 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. Student teaching credit earned in other colleges or universities does not completely fulfill the student teaching requirements of the University of Northern Iowa. 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.

List of Programs by Department

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 (280:132), TEACHING 3134 (280:134), TEACHING 3135 (280:135), TEACHING 3137 (280:137), TEACHING 3138 (280:138), TEACHING 3139 (280:139), TEACHING 3140 (280:140)] prior to the mid-point of either the first or second assignment within the twelve-hour experience (if two placements) or before the mid-term of a single full semester assignment 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 to the Teacher Education Senate (TES) by the Coordinator of Teacher Education following consultation with the coordinator who gave the **No Credit** grade and the head of the major department(s). Approval by TES is required for placement.

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 Office of Student Field Experiences. 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 Technology

(College of Humanities, Arts and Sciences)

www.uni.edu/indtech

The Department of Technology offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this Department of Technology section in the following order:

Undergraduate Majors (B.S.)

- Construction Management
- Electrical Engineering Technology (EET)
- Manufacturing Engineering Technology
- Technology and Engineering Education--Teaching

Undergraduate Majors (B.A.)

- Graphic Technologies
- Technology Management
- Combined B.A./M.S. or B.S./M.S. - Technology

Undergraduate Major (B.A.S.)

- Technology

Minors

- Electrical and Electronics Technology (EET)
- Graphic Technologies
- Manufacturing Technology Design
- Technology Education - Teaching
- Technology Management

Graduate Major (M.S.)

- Technology

Graduate Major (D.I.T.)

- Doctor of Industrial Technology

Program Certificates

- Technology Management

Bachelor of Science Degree Programs

Construction Management Major (*Extended Program*)

The B.S. Construction Management major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 126 hours.

Required core:

Construction science/construction:		51
TECH 1018 (330:018)	Construction Resources	
TECH 1025 (330:025)	Construction Graphics	
TECH 2045 (330:045)	Construction Law and Documentation	
TECH 2072 (330:072)	Engineering Materials	
TECH 2080 (330:080)	Statics and Strength of Materials	
TECH 2096 (330:096)	Construction Safety	
TECH 3125/5125 (330:125g)	Commercial and Heavy/Highway Construction	

TECH 3126/5126 (330:126g)	Land, Route, and Construction Surveying	
TECH 3128 (330:128)	Electrical Construction Materials and Methods	
TECH 3149 (330:149)	Construction Estimating	
TECH 4100 (330:100)	Undergraduate Research in Construction Management	
TECH 4124/5124 (330:124g)	Mechanical Systems in Construction	
TECH 4153/5153 (330:153g)	Construction Project Planning, Scheduling and Controlling	
TECH 4154/5154 (330:154g)	Computerized Construction Estimating	
TECH 4173/5173 (330:173g)	Construction Management	
TECH 4175/5175 (330:175g)	Structural Analysis in Construction	
TECH 4185/5185 (330:185g)	Methods Improvement and Construction Innovations	
Required:		
Business and Management:		18
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	
MGMT 3101 (150:101)	Business Law	
MGMT 3145 (150:145)	Information Systems Applications	
Economics		
ECON 1021 (920:020)	Decision Analytics *	
ECON 1031 (920:024)	Introduction to Economics	
Mathematics and Science:		15
Mathematics:		
MATH 1420 (800:060)	Calculus I ^	
or MATH 1150 (800:048)	Calculus for Technology	
STAT 1772 (800:072)	Introduction to Statistical Methods ^	
Chemistry and Biochemistry:		
CHEM 1110 (860:044)	General Chemistry I ^	
or CHEM 1020 (860:020)	Chemical Technology	
Physics:		
PHYSICS 1511 (880:054)	General Physics I ^	
Total Hours		84

* ECON 1021 (920:020) Decision Analytics has a prerequisite of STAT 1772 (800:072) Introduction to Statistical Methods or equivalent. *STAT 1772 (800:072) Introduction to Statistical Methods* may be used to satisfy Category 1C of the Liberal Arts Core.

^ Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

Electrical Engineering Technology (EET) Major

The B.S. Electrical Engineering Technology (EET) major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 126 hours.

The Electrical Engineering Technology (EET) 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: 22

Mathematics:

MATH 1140 (800:046)	Precalculus
MATH 1150 (800:048)	Calculus for Technology
or MATH 1420 (800:060)	Calculus I
STAT 1774 (800:064)	Introductory Statistics for Life Sciences
or STAT 1772 (800:072)	Introduction to Statistical Methods

Computer Science:

CS 1160 (810:036)	C/C++ Programming
or CS 1130 (810:030)	Visual BASIC Programming

Physics:

PHYSICS 1511 (880:054)	General Physics I
PHYSICS 1512 (880:056)	General Physics II

Required Technical Core: 52

Technology:

TECH 1037 (330:037)	Introduction to Circuits
TECH 1039 (330:039)	Circuits and Systems
TECH 2038 (330:038)	Introduction to Electrical Power and Machinery
TECH 2041 (330:041)	Introduction to Analog Electronics
TECH 2042 (330:042)	Introduction to Digital Electronics
TECH 3129/5129 (330:129g)	Linear Control Systems
TECH 3152 (330:152)	Advanced Analog Electronics
TECH 3156 (330:156)	Advanced Digital Electronics
TECH 3157/5157 (330:157g)	Microcontroller Applications
TECH 3160/5160 (330:160g)	Computer-Aided Instrumentation and Interfacing
TECH 3164/5164 (330:164g)	Programmable Logic Controllers (PLCs)
TECH 3166/5166 (330:166g)	Advanced Electrical Power Systems
TECH 4103/5103 (330:103g)	Electronic Communications
TECH 4104/5104 (330:104g)	Applied Digital Signal Processing
TECH 4165/5165 (330:165g)	Wireless Communication Networks

List of Programs by Department

TECH 4167/5167 (330:167g)	Power Electronics Applications	
TECH 4174 (330:174)	Senior Design I	
TECH 4176 (330:176)	Senior Design II	
Required Technical Writing:		3
ENGLISH 3772/5772	Technical Writing for Engineering Technologists	
Total Hours		77

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 technology courses they have not already taken.

Manufacturing Engineering Technology Major

The B.S. Manufacturing Engineering Technology major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements (45 hours) and the following specified major requirements (66-69 hours), plus electives (15 hours) to complete the minimum of 126 hours.

Required Mathematics and Science Core:		12
Mathematics:		
MATH 1150 (800:048)	Calculus for Technology	
or MATH 1420 (800:060)	Calculus I	
Chemistry and Biochemistry		
CHEM 1020 (860:020)	Chemical Technology	
or CHEM 1110 (860:044)	General Chemistry I	
Physics:		
PHYSICS 1511 (880:054)	General Physics I	
or PHYSICS 1701 (880:130)	Physics I for Science and Engineering	
Required Technical Core:		
Technology:		0-3
TECH 1017 (330:017)	Computer-Aided Design and Drafting (or equivalent *)	
Technology:		42
TECH 1008 (330:008)	Basic Manufacturing Processes	
TECH 1010 (330:010)	Metal Removal Processes	
TECH 1024 (330:024)	Technical Drawing and Design I	
TECH 2024 (330:023)	Technical Drawing and Design II	
TECH 2060 (330:060)	Fundamentals of Automated Manufacturing	
TECH 2072 (330:072)	Engineering Materials	
TECH 2080 (330:080)	Statics and Strength of Materials	
TECH 3142 (330:142)	Statistical Quality Control	
TECH 3143	Managing Operations and Manufacturing Systems	

TECH 3180 (330:180)	Lean and Sustainable Operations	
TECH 3196 (330:196)	Industrial Safety	
TECH 4110/5110	Manufacturing Process Planning	
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	
TECH 4210	Manufacturing Senior Projects	
Concentration: choose one of the following three concentrations:		12
Total Hours		66-69

* Equivalency requires approval by department.

Advanced Manufacturing:

TECH 3113 (330:113)	Manufacturing Tooling	
TECH 3147 (330:147)	Computer Aided Manufacturing	
TECH 3177 (330:177g)	Advanced Manufacturing Processes	
TECH 4162	Automation - Pneumatics and Hydraulics	

Manufacturing Design:

TECH 3024/5024 (330:122g)	Advanced CAD and Modeling	
TECH 3113 (330:113)	Manufacturing Tooling	
TECH 3135/5135 (330:135g)	Product Design	
TECH 3148 (330:148)	Machine Design	

Metal Casting:

TECH 3127 (330:127)	Transport Phenomena for Technologists	
TECH 3134 (330:134)	Molding Practices in Metal Casting	
TECH 4136 (330:136)	Melting Metallurgy and Practices	
TECH 4137 (330:137)	Tooling Practices in Metal Casting	

Recommended elective hours from the following:

Technology:		
TECH 1037 (330:037)	Introduction to Circuits	
TECH 2036 (330:036)	Power Technology	
TECH 2038 (330:038)	Introduction to Electrical Power and Machinery	
TECH 2119	Computer Applications in Technology	
TECH 3113 (330:113)	Manufacturing Tooling	
TECH 3127 (330:127)	Transport Phenomena for Technologists	
TECH 3131/5131 (330:131g)	Technical Project Management	
TECH 3177 (330:177g)	Advanced Manufacturing Processes	
TECH 3179 (330:179)	"Cooperative Education" (3 hrs. maximum)	
TECH 3183 (330:183)	Fundamentals of Manufacturing Engineering	

TECH 3192/5192 (330:192g)	Non-Destructive Evaluation of Materials/Scanning Electron Microscopy
TECH 4162	Automation - Pneumatics and Hydraulics
Management:	
MGMT 3113 (150:113)	Business Communication
Communication:	
COMM 3155 (48C:173)	Business and Professional Oral Communication
COMM 4355/5355 (48C:141g)	Listening
Philosophy:	
PHIL 2500	Ethics
Sociology:	
SOC 3090 (980:102)	Conflict Resolution

Technology and Engineering Education-Teaching Major

The B.S. Technology and Engineering Education-Teaching major requires a minimum of 126 total hours to graduate. This total includes Liberal Arts Core requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 126 hours.

Technology and Engineering Core

CHEM 1020 (860:020)	Chemical Technology	4
PHYSICS 1400 (880:011)	Conceptual Physics	4
or PHYSICS 1511 (880:054)	General Physics I	
MATH 1140 (800:046)	Precalculus	4
TECH 1008 (330:008)	Basic Manufacturing Processes	3
TECH 1010 (330:010)	Metal Removal Processes	3
TECH 1018 (330:018)	Construction Resources	3
TECH 1006	Project Lead The Way: Introduction to Engineering Design	3
TECH 1022 (330:022)	Communication Technology	3
TECH 1024 (330:024)	Technical Drawing and Design I	3
TECH 3010	Project Lead The Way: Principles of Engineering	3
TECH 3114 (330:114)	Product Development and Enterprise	3
TECH 4290/5290	Project Lead The Way: Digital Electronics	3
or PHYSICS 4290/5290	Project Lead The Way: Digital Electronics	

Technology and Engineering Electives: (choose from communication, construction, manufacturing, power and energy, and transportation and should have at least six hours in any three of these areas.) 9

Technology and Engineering Education Core:		12
TECH 1019 (330:019)	Introduction to Technology and Engineering Education	

TECH 3120 (330:120)	Technology and Engineering Education Curriculum Planning
TECH 3190/5190 (330:190g)	Technology and Engineering Education Teaching Methods (Includes level 3 field experience; prerequisite or co-requisite: EDPSYCH 3128 level 2 field experience.)
TECH 4195/5195 (330:195g)	Technology and Engineering Education Laboratory Management
Total Hours	60

Note: Students in Technology and Engineering Education--Teaching Major will be waived from INSTTECH 1020 (240:020) Secondary Educational Technology and Design of the Professional Education Requirements. A student changing majors to a different teaching major would be required to complete INSTTECH 1020 (240:020) Secondary Educational Technology and Design .

Bachelor of Arts Degree Programs

Graphic Technologies Major

The Graphic Technologies major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements (45 hours) and the following specified major requirements (61 hours), plus university electives (14 hours) to complete the minimum of 120 hours.

The Graphic Technologies major provides students with theoretical and hands-on experiences in the graphic communication industry and related disciplines. This major prepares students for careers in printing, packaging, publishing, imaging, management, marketing, art, journalism, public relations, and/or computation. The Graphic Technology program is accredited by Accrediting Council for Collegiate Graphic Communications, Inc. (accgc.org) and Association of Technology, Management, and Applied Engineering (atmae.org).

Required:

TECH 1012	ePortfolio Development & Industry Exploration	3
TECH 1055 (330:055)	Graphic Communications Foundations	3
TECH 2070 (330:070)	Digital Pre-Media	3
TECH 2119	Computer Applications in Technology	3
TECH 3144 (330:144)	Web Publishing	3
TECH 3150/5150 (330:150g)	Graphic Communications Imaging	3
TECH 3163/5163 (330:163g)	Advanced Digital Pre-Media	3
TECH 3169 (330:169)	Digital Imaging	3
TECH 3179	Cooperative Education	3
TECH 4093/5093	Graphic Communications Estimating and Management I	3
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	3
TECH 4161/5161 (330:161g)	Digital Graphic Communications	3

List of Programs by Department

TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	3
TECH 4193	Graphic Communication Estimating and Management II	3
Total Hours		42

Technology Management Major

The Technology Management major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Mathematics and Science Core: (one hour lab required)		10
STAT 1772 (800:072)	Introduction to Statistical Methods [^]	
CHEM 1010 (860:010)	Principles of Chemistry	
or CHEM 1020 (860:020)	Chemical Technology	
or CHEM 1110 (860:044)	General Chemistry I	
PHYSICS 1000 (880:012)	Physics in Everyday Life	
or PHYSICS 1400 (880:011)	Conceptual Physics	
or PHYSICS 1511 (880:054)	General Physics I	
Management:		21
TECH 3065	Technology and Organizational Efficiency	
TECH 3131/5131 (330:131g)	Technical Project Management	
TECH 3142 (330:142)	Statistical Quality Control	
TECH 3143	Managing Operations and Manufacturing Systems	
TECH 3168/5168 (330:168g)	Technology Training Strategies	
TECH 3180 (330:180)	Lean and Sustainable Operations	
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	
Technical Electives: **		36
TECH 1008 (330:008)	Basic Manufacturing Processes	
TECH 1010 (330:010)	Metal Removal Processes	
TECH 1011	Introduction to Graphic Programs	
TECH 1017 (330:017)	Computer-Aided Design and Drafting	
TECH 1018 (330:018)	Construction Resources	
TECH 1022 (330:022)	Communication Technology	
TECH 1024 (330:024)	Technical Drawing and Design I	
TECH 1055 (330:055)	Graphic Communications Foundations	
TECH 2036 (330:036)	Power Technology	
TECH 2060 (330:060)	Fundamentals of Automated Manufacturing	
TECH 2119	Computer Applications in Technology	
TECH 3102 (330:102)	Living in Our Techno-Social World	

TECH 3114 (330:114)	Product Development and Enterprise	
TECH 3169 (330:169)	Digital Imaging	
TECH 3179 Cooperative Education		
TECH 3196 (330:196)	Industrial Safety	
TECH 4000/5000	Wind Energy Engineering	
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	
TECH 4178/5178 (330:178g)	Contemporary Instruction in Technology Education	
Total Hours		67

* Equivalency requires approval by department.

** A minimum of 36 hours of supporting technical courses to be taken from the following or any other courses in the department of technology approved by the students advisor.

[^] Has prerequisite of satisfactory score on ALEKS exam or subsequent remediation.

Combined B.A./M.S. or B.S./M.S. - Technology

Students with majors in a Department of Technology program, interested in the combined program should declare their intent by the end of the junior year (or have completed at least 90 semester hours). They should complete an Application for Admission to Graduate Study and the departmental application, as well as two professional references and have them submitted to the Graduate Coordinator before attempting to register. Application for graduate admission can be found at www.grad.uni.edu/admission.

Upon admittance to the combined B.A./M.S. or B.S./M.S. program, undergraduate students during their senior year 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). The admitted student may enroll and self-identify themselves with every instructor in the first two weeks of the semester in these 9 hours during the senior year, but before the baccalaureate degree is awarded. To be eligible for this exception to the undergraduate registration policies, the student must have earned at least 90 hours with a cumulative GPA of 3.00 or higher at the time of registration. When registering for the graduate courses, approvals must be obtained on the same student request, with the IT Graduate Coordinator serving as the advisor. (See policies and procedures for Graduate Credit for Undergraduate Students.)

Graduate work completed on the early admission basis will be counted as graduate credit only after the baccalaureate degree has been awarded and enrolled for graduate course work within one year of the awarding of the baccalaureate degree. Actual admission to graduate study and classification as a graduate student commences the term after the student has completed the baccalaureate.

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. 23-24 hours of Liberal Arts Core classes, as outlined below (of which 9 hours can be transferred in as LAC 1A, 1B, and 1C);
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.

Liberal Arts Core Requirements for B.A.S. Degree*:

Students must meet the following undergraduate Liberal Arts Core requirements as specified below.

Summary:

1. 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.	
2. Category 2: Civilizations & Cultures (1 course from Category 2A or 2B)	3
3. Category 3: Fine Arts, Literature, Philosophy & Religion (1 course from Category 3A or 3B)	3
4. Category 4: Natural Science & Technology (1 course from Category 4A or 4B)	3
5. Category 5: Social Science (1 course from Category 5A, 5B, or 5C)	3
6. 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 (48C:173)	Business and Professional Oral Communication	3
ENGLISH 3770	Technical Writing in Applied Sciences	3
Total Hours		6

Technology

Mathematics and Science Core:

CHEM 1020 (860:020)	Chemical Technology (either of these courses will satisfy LAC Category 4B)	4
or PHYSICS 1511 (880:054)	General Physics I	
STAT 1772 (800:072)	Introduction to Statistical Methods (will satisfy LAC Category 1C)	3

BAS Technology Core

TECH 2119	Computer Applications in Technology	3
TECH 3196 (330:196)	Industrial Safety	3
TECH 3131/5131 (330:131g)	Technical Project Management	3
TECH 3102 (330:102)	Living in Our Techno-Social World (will satisfy LAC Category 6)	3
Elective approved by the department (must be 3000-level or above)		3

BAS Technology Upper Division Courses

TECH 3121/5121 (330:121g)	Applied Technology Systems	3
TECH 3142 (330:142)	Statistical Quality Control	3
or TECH 3180 (330:180)	Lean and Sustainable Operations	
TECH 3143	Managing Operations and Manufacturing Systems	3
TECH 3168/5168 (330:168g)	Technology Training Strategies	3
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	3

Total Hours	37*
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*10 hours may be counted toward LAC and Major

Minors

Electrical and Electronics Technology Minor (EET)

The EET 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 (330:037)	Introduction to Circuits	
TECH 1039 (330:039)	Circuits and Systems	
TECH 2038 (330:038)	Introduction to Electrical Power and Machinery	
TECH 2041 (330:041)	Introduction to Analog Electronics	
TECH 2042 (330:042)	Introduction to Digital Electronics	
TECH 3164/5164 (330:164g)	Programmable Logic Controllers (PLCs)	
Mathematics:		4
MATH 1150 (800:048)	Calculus for Technology	
or MATH 1420 (800:060)	Calculus I	

List of Programs by Department

Computer Science:	3
CS 1130 (810:030)	Visual BASIC Programming
or CS 1160 (810:036)	C/C++ Programming
Physics:	4
PHYSICS 1511 (880:054)	General Physics I
or PHYSICS 1701 (880:130)	Physics I for Science and Engineering
Total Hours	29

Graphic Technologies Minor

Required:		
Technology:		
TECH 1055 (330:055)	Graphic Communications Foundations	3
TECH 2070 (330:070)	Digital Pre-Media	3
TECH 3169 (330:169)	Digital Imaging	3
TECH 4161/5161 (330:161g)	Digital Graphic Communications	3
Electives:		
Technology (select three of the following):		9
TECH 1011	Introduction to Graphic Programs	
TECH 1012	ePortfolio Development & Industry Exploration	
TECH 2119	Computer Applications in Technology	
TECH 3144 (330:144)	Web Publishing	
TECH 3150/5150 (330:150g)	Graphic Communications Imaging	
TECH 3163/5163 (330:163g)	Advanced Digital Pre-Media	
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	
Total Hours		21

Manufacturing Technology Design Minor

Available to all UNI majors except Manufacturing Technology majors.

Required:		
Technology:		15
TECH 1017 (330:017)	Computer-Aided Design and Drafting	
TECH 1024 (330:024)	Technical Drawing and Design I	
TECH 2024 (330:023)	Technical Drawing and Design II	
TECH 3024/5024 (330:122g)	Advanced CAD and Modeling	
TECH 3135/5135 (330:135g)	Product Design	
Mathematics and Science:		12
MATH 1150 (800:048) or MATH 1420 (800:060)	Calculus for Technology Calculus I	
CHEM 1020 (860:020) or CHEM 1110 (860:044)	Chemical Technology General Chemistry I	
PHYSICS 1511 (880:054)	General Physics I	

or PHYSICS 1701 (880:130)	Physics I for Science and Engineering
Total Hours	27

Technology Education Minor-Teaching

Required:	
Technology:	0-3
TECH 1017 (330:017)	Computer-Aided Design and Drafting (or equivalent*)
Technology:	27
TECH 1008 (330:008)	Basic Manufacturing Processes
TECH 1010 (330:010)	Metal Removal Processes
TECH 1018 (330:018)	Construction Resources
TECH 1019 (330:019)	Introduction to Technology and Engineering Education
TECH 1022 (330:022)	Communication Technology
TECH 1024 (330:024)	Technical Drawing and Design I
TECH 2036 (330:036)	Power Technology
TECH 3190/5190 (330:190g)	Technology and Engineering Education Teaching Methods
TECH 4195/5195 (330:195g)	Technology and Engineering Education Laboratory Management
Electives in Technology: (choose from construction or energy and power)	3
Total Hours	30-33

* Equivalency requires approval by department.

Technology Management Minor

Required Courses:		
Maths:		
STAT 1772 (800:072)	Introduction to Statistical Methods	3
Technology:		
TECH 2119	Computer Applications in Technology	3
TECH 3131/5131 (330:131g) or TECH 3143	Technical Project Management Managing Operations and Manufacturing Systems	3
TECH 3142 (330:142)	Statistical Quality Control	3
TECH 3196 (330:196)	Industrial Safety	3
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	3
Technical Electives:		6
Total Hours		24

Master of Science Degree Program Major in Technology

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 Technology for other application requirements.

Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

This degree offers a **thesis and non-thesis option**. The program promotes a greater depth of understanding of applied technology and management. It provides opportunities to develop special research and application skills directly related to individual competencies, needs, and objectives.

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 and 6 semester hours of college physics and/or chemistry and biochemistry or other science related to the major area (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. Department application;
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 33 semester hours. A minimum of 15 hours of 200/6000-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.

Required core courses:

Technology Management		
TECH 6100	Engineering Cost Analysis	3
TECH 6225 (330:225)	Integrated Logistics and Production Operations	3
TECH 6250 (330:250)	Technology of Productivity Improvement	3
TECH 6258 (330:258)	Total Quality Management	3
TECH 6275 (330:275)	Advanced Lean Manufacturing	3
TECH 6295 (330:295)	Advanced Management and Supervision Technology	3
TECH 6300	Advanced Technical Project Management for Engineering and Technology	3
Choose from one of following options:		12
Total Hours		33

A. Non-Thesis Option

TECH 6288 (330:288)	Master Internship/Project	3
Supporting approved graduate elective course in Technology.		9
A minimum of 9 graduate credit hours from 5000 or 6000 level courses should be taken in the department of Technology.		

B. Thesis Option

TECH 6292 (330:292)	Research Methods in Technology	3
TECH 6299 (330:299)	Research (Master's Thesis)	6
PSYCH 6001 (400:239)	Advanced Statistics (Or any 5000/6000 statistics course)	3

Doctor of Industrial Technology Degree Program

Admission to this program is currently suspended.

The Doctor of Industrial Technology (D.I.T.) degree is designed to develop scholars in the fields of education and industry. The University of Northern Iowa offers the D.I.T. degree to meet the increasing need for advanced degree work in the field of Technology, which includes, but is not limited to, technology, applied engineering, trade and industrial education, technical institute education, industrial training, and technology transfer. This research-oriented terminal degree program also includes the study of the technological systems used in industry and their effect on society and culture.

The D.I.T. program emphasizes the development of a thorough knowledge of

1. Industrial technology as an intellectual discipline,
2. The technological systems used in industry and their effect on people and the environment, and
3. The potential and limitations of future developments in technological systems and their utilization in industry
4. the intellectual tools necessary to pursue scholarly research and applied practices in the field of industrial technology and applied engineering.

The Doctor of Industrial Technology degree program is intended to prepare graduates for one or more of the following professional careers:

1. Faculty, supervisors, and consultants of applied engineering or technology, trade and industrial education, technical institute education and technology education in secondary schools, colleges and universities.
2. Researchers and project coordinators, technology transfer specialists, technology forecasters and assessors of technology for industrial policy planning and decision making.
3. Academic leaders (e.g., deans, department heads, or directors) of technology-oriented programs at postsecondary institutions.
4. Researchers and research coordinators for education and industry in specific content fields of technology.

List of Programs by Department

5. Designers, coordinators and directors of applied/engineering and/or industrial training or human resource programs, and related industrial applications.

The Doctor of Industrial Technology degree program requires a **minimum of 60 semester hours of credit completed beyond the master's degree**, including a **minimum of 38 hours in 200/6000-level or 300/7000-level course work**. Courses taken for the Master's degree cannot be repeated for the doctoral degree unless the course description allows it.

It is the student's responsibility to be familiar with all degree program requirements and take the initiative in meeting established guidelines. This information may be obtained from the Graduate Programs Coordinator in the Department of Technology.

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 Technology for other application requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. For requirements concerning admission, candidacy, scholarship, residence, examinations, dissertation, and graduation for the Doctor of Industrial Technology refer to www.uni.edu/tech/DIT and the Graduate Information section of this catalog.

The Graduate Record Examination (General Test) **is** required for admission to the program. The minimum GRE scores for a full admission status must rank as the 30th percentile in verbal, the 30th percentile in analytical writing, and the 50th percentile in quantitative sections.

Required core:		18
TECH 6282 (330:282)	Technology Seminar (Three 1 credit hour course)	
TECH 6296	Research Design in Technology	
TECH 7375 (330:375)	Historical and Contemporary Issues in Technology	
TECH 7377 (330:377)	Technology and Societal Trends: Case Studies	
TECH 7378 (330:378)	Technology, Ethics and Leadership	
PSYCH 6001 (400:239)	Advanced Statistics	
or STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research	
or STAT 4777/5777 (800:157g)	Statistical Quality Assurance Methods	

Required Technical Elective Courses		9
A minimum of 9 credit hours from 6000 or 7000 level courses should be taken in the department of Technology related to the student's career goals and competencies that are related to the student's dissertation. Students cannot receive credit for the same courses that they took for the Master's program.		

Supporting Course Work	15
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The supporting course work can be taken from any discipline at the university (including the technology department) as long as it relates to the career goals and competencies. Students cannot receive credit for the same courses that they took for the Master's program.

D.I.T. Internship:		6
TECH 7388 (330:388)	Doctoral Internship	
D.I.T. Dissertation:		12
TECH 7399 (330:399)	Research (Doctoral Dissertation)	
Total Hours		60

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 Technology or the Office of the Registrar, which serves as the centralized registry.

Technology Management Certificate (undergraduate)

Required:

Technology:		18
TECH 3065	Technology and Organizational Efficiency	
TECH 3131/5131 (330:131g)	Technical Project Management	
TECH 3142 (330:142)	Statistical Quality Control *	
TECH 3143	Managing Operations and Manufacturing Systems *	
TECH 3196 (330:196)	Industrial Safety	
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	
Total Hours		18

* TECH 3142 (330:142) and TECH 3143 have prerequisites of MATH 1140 (800:046) Precalculus or MATH 1150 (800:048) Calculus for Technology or MATH 1420 (800:060) Calculus I or STAT 1772 (800:072) Introduction to Statistical Methods.

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 (also listed in Department of Communication Studies)
- Theatre

Minors

- Communication-Theatre-Teaching (also listed in Department of Communication Studies)
- Theatre

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 Liberal Arts Core and Foundations of Theatre (with lab), Stagecraft: Scenery/Lights or Stagecraft: Costumes, Introduction to Reading Playscripts, and Body, Voice, Awareness.
3. Students must maintain a minimum cumulative GPA of 2.50 in order to be eligible to participate in productions after practicum course work requirements are completed.
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 (48C:001) (Oral Communication) and ENGLISH 1005 (620:005) /ENGLISH 2015 (620:015) /ENGLISH 2120 (620:034) were satisfied at their junior/ community colleges. Transfer students will take THEATRE 1010 (490:010) Foundations of Theatre and THEATRE 1011 (490:011) 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 Liberal Arts Core 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 Studies and Theatre.

Required

Communication:		
COMM 2256 (48C:011)	Performing Texts	3
COMM 2257 (48C:074)	Argumentation and Debate	3
COMM 2344 (48C:004)	Interpersonal Communication	3
COMM 2555 (48C:025)	Interactive Digital Communication	3
COMM 4355/5355 (48C:141g)	Listening	3

COMM 4559/5559 (48C:187g)	Methods of Teaching Speech	3
COMM DM 1611	Digital Media Literacies	3
Theatre:		
COMM 2455 (48C:015)	Skills for Making Performance	3

OR

THEATRE 1010 (490:010)	Foundations of Theatre (THEATRE 1010 is a co-requisite with THEATRE 1011)	
THEATRE 1012 (490:015)	Stagecraft: Scenery/Lights *	3
THEATRE 1030 (490:024)	Acting *	3
THEATRE 3020 (490:138)	Playscript Analysis and Interpretation *	3
THEATRE 3070 (490:136)	History of the Theatre II	3
THEATRE 3115 (490:109)	Methods of Teaching Drama and Theatre	3
THEATRE 3160 (490:161)	Directing	3
Applied Activity Option: **		
Select 3 of the following:		3
COMM 1940 (48C:091) & COMM 3940 (48C:191)	Applied Forensics and Advanced Applied Forensics (each course is 1 hr.) **	
COMM 1941 (48C:093) & COMM 3941 (48C:193)	Applied Performance Studies and Advanced Applied Performance Studies (each course is 1-2 hrs.) **	
THEATRE 1011 (490:011)	Foundations of Theatre Lab (1 hr.) This course is a co-requisite for THEATRE 1010	
THEATRE 2050 (490:050)	Theatre Practicum (1 hr.) **	

Electives

Select one of the following:		3
COMM 2255 (48C:071)	Public Speaking (3 hrs.)	
COMM 2456	Performance of Popular Culture (3 hrs.)	
COMM 4218 (48C:178)	Persuasion (3 hrs.)	
COMM 4322/5322 (48C:144g)	Advanced Interpersonal Communication (3 hrs.)	
COMM 4411/5411 (48C:122g)	Language and Communication (3 hrs.)	
COMM 4447/5447 (48C:108g)	Performance and Social Change (3 hrs.)	
COMM 4448/5448 (48C:110g)	Cultural Performance (3 hrs.)	
COMM COR 1010 (48J:002)	Mass Communication and Society (3 hrs.)	
COMM DM 1651	Digital Media Production I	
COMM PR 1811 (48P:005)	Principles of Public Relations (3 hrs.)	
THEATRE 1020 (490:020)	Introduction to Reading Playscripts (3 hrs.)	
THEATRE 3000 (490:101)	Creative Drama (3 hrs.)	
THEATRE 3050/5050 (490:151g)	Theatre Production (1-4 hrs.)	

List of Programs by Department

THEATRE 3080/5080 (490:137g)	Advanced Theatre Studies (3 hrs.)	
THEATRE 3180/5180 (490:155g)	Theatre Management (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 (490:161).
- ** 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.
- For the LAC Category Fine Arts requirement (Category 3A) we recommend that Communication-Theatre Education majors take THEATRE 1002 (490:002) The Theatrical Arts and Society (3 hours).
- For the LAC Capstone Experience (Category 6), we recommend that Communication-Theatre Education majors take THEATRE 3100 (490:106) /CAP 3106 (CAP:106) Theatre in Education (3 hours).

Theatre Major

The Theatre major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core 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 Drama and Theatre for Youth emphasis (Theatre core plus 24 hours Drama and Theatre for Youth emphasis requirements)

Theatre core requirements

Theatre:

THEATRE 1010 (490:010)	Foundations of Theatre	3
THEATRE 1011 (490:011)	Foundations of Theatre Lab	1
THEATRE 1012 (490:015)	Stagecraft: Scenery/Lights	3
THEATRE 1015 (490:016)	Stagecraft: Costumes	3
THEATRE 1020 (490:020)	Introduction to Reading Playscripts	3
THEATRE 1030 (490:024)	Acting	3
THEATRE 2050 (490:050)	Theatre Practicum (3 required-ONE may be in performance)	3
THEATRE 3000 (490:101)	Creative Drama	3

THEATRE 3020 (490:138)	Playscript Analysis and Interpretation	3
THEATRE 3060 (490:135)	History of the Theatre I	3
THEATRE 3070 (490:136)	History of the Theatre II	3
THEATRE 3160 (490:161)	Directing	3
Total Hours		34

Requirements for the three options are as follows:

Performance Emphasis

Required

Theatre core		34
Theatre:		
THEATRE 1025	Body, Voice, Awareness	3
THEATRE 2030 (490:027)	Auditioning and the Business of Acting	3
THEATRE 3002 (490:121)	Movement for the Actor	3
THEATRE 3003 (490:122)	Vocal Production for the Actor	3
THEATRE 3120/5120 (490:126g)	Acting Styles	3
THEATRE 3125/5125 (490:127g)	Acting Studio (two required)	6
Departmental electives (3 hours selected from departmental electives below)		3
Total Hours		58

Design and Production Emphasis

Required

Theatre core		34
Theatre:		
THEATRE 2040 (490:040)	Design Elements for Theatre	3
THEATRE 3050/5050 (490:151g)	Theatre Production	1
THEATRE 3138	Production Techniques: Drafting and Pattern Development	3
THEATRE 3139 (490:140)	Production Techniques: Scene Painting and Makeup	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

Drama and Theatre for Youth Emphasis

Required

Theatre core		34
Theatre:		
THEATRE 3100/CAP 3106 (CAP:106)	Theatre in Education	3

List of Programs by Department

THEATRE 3110/5110 (490:104g)	Theatre for Youth	3
THEATRE 3115 (490:109)	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 (490:168g)	Playwriting	3
THEATRE 2055 (490:056)	Devised Theatre	3
THEATRE 2060	Production Studies	3
THEATRE 3080/5080 (490:137g)	Advanced Theatre Studies	3
THEATRE 3155/5155 (490:144g)	Topics in Theatre Design and Production	3
THEATRE 3190/5190 (490:157g)	Stage Management	3
		1-6
		1-6

Minors

See admission requirements for Theatre minors.

Communication-Theatre-Teaching Minor

The Communication-Theatre-Teaching minor is offered jointly by the Departments of Communication Studies and Theatre.

Required

COMM 2255 (48C:071)	Public Speaking	3
COMM 2256 (48C:011)	Performing Texts	3
COMM 2257 (48C:074)	Argumentation and Debate	3
COMM DM 1611	Digital Media Literacies	3
THEATRE 3160 (490:161)	Directing	3
COMM 4559/5559 (48C:187g) or THEATRE 3115 (490:109)	Methods of Teaching Speech Methods of Teaching Drama and Theatre	3

Electives (Select 6 hours)

COMM 1940 (48C:091) & COMM 3940 (48C:191)	Applied Forensics and Advanced Applied Forensics *	6
COMM 1941 (48C:093) & COMM 3941 (48C:193)	Applied Performance Studies and Advanced Applied Performance Studies *	
COMM 2455 (48C:015)	Skills for Making Performance	
THEATRE 1010 (490:010) & THEATRE 1011 (490:011)	Foundations of Theatre and Foundations of Theatre Lab **	
THEATRE 1030 (490:024)	Acting **	

THEATRE 2050 (490:050)	Theatre Practicum *	
Total Hours		24

* Any of these courses can be repeated up to three times.

** These classes must be taken before THEATRE 3160 (490:161).

Theatre Minor

Required

Theatre core:		
THEATRE 1010 (490:010)	Foundations of Theatre	3
THEATRE 1011 (490:011)	Foundations of Theatre Lab	1
THEATRE 1012 (490:015) or THEATRE 1015 (490:016)	Stagecraft: Scenery/Lights Stagecraft: Costumes	3
THEATRE 1020 (490:020)	Introduction to Reading Playscripts	3
THEATRE 1030 (490:024)	Acting	3
THEATRE 2050 (490:050)	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 1025	Body, Voice, Awareness	3
THEATRE 2040 (490:040)	Design Elements for Theatre	3
THEATRE 2055 (490:056)	Devised Theatre	3
THEATRE 3000 (490:101)	Creative Drama	3
THEATRE 3020 (490:138)	Playscript Analysis and Interpretation	3
THEATRE 3060 (490:135)	History of the Theatre I	3
THEATRE 3070 (490:136)	History of the Theatre II	3
THEATRE 3080/5080 (490:137g)	Advanced Theatre Studies	3
THEATRE 3110/5110 (490:104g)	Theatre for Youth	3
THEATRE 3160 (490:161)	Directing	3
THEATRE 3170 (490:170)	Senior Project	3
THEATRE 3195/5195 (490:168g)	Playwriting	3
THEATRE 3199/5199 (490:199)	Study Tour	1-6
THEATRE 3200/5200 (490:158g)	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.

In the following pages, all courses will be listed with the current alpha subject field and 4-digit course number and also the previous corresponding 3-digit department:3-digit number in parenthesis after the current course number. If the course does not have a number listed in parenthesis, it is a new course after Fall 2011 and, therefore, has no previous 3-digit number.

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. This particular course will be indicated in the following pages as ART 3011 (600:111).

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. (This is comparable to the current numbering of 100-level junior level courses or 100g-level junior level courses that can be taken for graduate credit, as outlined above. Courses which are currently 100g-level courses will also shadow with a 5000-series course number which will be used specifically for graduate student registration in the course.)

Courses numbered 4000 through 4999: Advanced upper level undergraduate courses including seminars, advanced independent study courses, honors thesis work, etc. (This is comparable to the current numbering of 100g-level courses that can be taken for graduate credit, as outlined above. Courses which are currently 100g-level

courses will also shadow with a 5000-series course number which will be used specifically for graduate student registration in the course.)

Courses numbered 5000 through 5999: Introductory graduate or first year graduate courses. (These numbers are used only as shadow numbers for current 100g#level courses numbered in 3000-3999 and 4000-4999 series specifically for graduate student registration in the course.)

Courses numbered 6000 through 6999: Upper level graduate courses. (These numbers are used only for courses currently numbered at the 200-level.)

Courses numbered 7000 through 7999: Doctoral courses. (These numbers are used only for courses currently numbered at the 300-level.)

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 (059), 3159 (159), 4159/5159 (159g), 6259 (259), 7359 (359) -

Reserved for temporary courses of a special or experimental nature. May be repeated on different topics.

3133 (133), 4133/5133 (133g), 6233 (233) 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 (179) 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 (086), 3186 (186), 4186/5186 (186g), 6286 (286), 7386 (386) 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 (09C), 319C (19C) Open Credit - 1-6 hrs.

319P (19P) 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 (198) 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 (199) 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 (285) or 7385 (385) 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 (289) or 7389 (389) 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 (29C) 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 \$50 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 (29R) 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 (xxx:299) (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 (297) or 7397 (397) Practicum - 1-4 hrs. Offered as needed in the various disciplines to provide practical experience in college teaching. May be repeated.

6299 (299) or 7399 (399) Research - See details for approval and registration. Repeatable to the maximum credits for a student's degree.

7300 (300) 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 (000:xxx) 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
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 Studies	Communication Studies
48E	COMM EM (prefix no longer used eff Sumr 16)	Communication Studies: Electronic Media	Communication Studies
New Prefix effective Summer 2016	COMM DM	Communication Studies: Digital Media	Communication Studies
48J	COMM J (prefix no longer used eff Sumr 16)	Communication Studies: Journalism	Communication Studies
48P	COMM PR	Communication Studies: Public Relations	Communication Studies
48C/48E/48J/48P prefix varies	COMM COR	Communication Studies Core	Communication Studies
48C/48E/48J/48P prefix varies	COMM GRAD	Communication Studies Graduate	Communication Studies
810	CS	Computer Science	Computer Science
210	ELEMECL	Elementary, Early Childhood and Middle Level Education	Curriculum and Instruction
240	INSTTECH	Instructional Technology	Curriculum and Instruction
230	LITED	Literacy Education	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 Leadership and Postsecondary Education
170	POSTSEC	Postsecondary Education: Student Affairs	Educational Leadership and Postsecondary Education
200	EDPSYCH	Educational Psychology	Educational Psychology and Foundations
250	MEASRES	Measurement and Research	Educational Psychology and Foundations
260	SOCFOUND	Social Foundations	Educational Psychology and Foundations
160	FIN	Finance	Finance
970	GEOG	Geography	Geography
42T	AT	Athletic Training	Health, Recreation and Community Services
410	HPE	Health Promotion and Education	Health, Recreation and Community Services
440	KAHHS (eff Sumr 18)	Kinesiology, Allied Health and Human Services, interdepartmental	Kinesiology and Health, Recreation and Community Services
440	HPELS (prefix no longer used eff Sumr 18)	Kinesiology, Allied Health and Human Services, interdepartmental	Kinesiology and Health, Recreation and Community Services
430	LYHS	Leisure, Youth and Human Services	Health, Recreation and Community Services
420	PEMES	Physical Education	Kinesiology

Guide to Course Number Prefixes

962	HISEUA	Europe to ca. 1700	History
963	HISEUB	Europe Since ca. 1700	History
964	HISNW	Non-Western History	History
960	HIST	Historical Study/ Thematic/ Graduate	History
961	HISUS	United States History	History
680	HUM	Humanities	Interdisciplinary
000	INDIVSTU	Individual Studies	Interdisciplinary
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
150	MGMT	Management	Management
130	MKTG	Marketing	Marketing
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
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
290	COUN	Counseling	School of Applied Human Sciences
31F	FAM SERV	Family Services	School of Applied Human Sciences
31G	GERO	Gerontology	School of Applied Human Sciences
31I	INTDSGN	Interior Design	School of Applied Human Sciences
310	NUTR	Nutrition	School of Applied Human Sciences
31T	TEXDSGN	Textiles and Apparel	School of Applied Human Sciences
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
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	Technology
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 (120:169), ACCT 3092/5092 (120:170g), ACCT 3179 (120:179), and ACCT 6090 (120:269).

Courses

ACCT 2120 (120:030). 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 (120:030) nor ACCT 2130 (120:031) may be repeated. Prerequisite(s): sophomore standing. (Fall, Spring, Summer)

ACCT 2130 (120:031). 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 (120:030) nor ACCT 2130 (120:031) may be repeated. Prerequisite(s): C- or better in ACCT 2120 (120:030); sophomore standing. (Fall, Spring, Summer)

ACCT 3055 (120:144). 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 (120:132). (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 and Spring)

ACCT 3090 (120:169). 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 (120:170g). 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 (120:185). 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 (120:129). 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 (120:030); ACCT 2130 (120:031); junior standing. (Fall and Spring)

ACCT 3122 (120:130). 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 (120:030); ACCT 2130 (120:031); C- or better in ACCT 3120 (120:129); junior standing. (Fall and Spring)

ACCT 3130 (120:131). 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 (120:030); ACCT 2130 (120:031); junior standing. (Fall and Spring)

ACCT 3140 (120:136). 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 (120:030); ACCT 2130 (120:031); C- or better in ACCT 3120 (120:129); MGMT 2080 (150:080); junior standing. (Fall and Spring)

ACCT 3179 (120:179). 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 (120:135g). Advanced Accounting — 3 hrs.

Accounting for business combinations, foreign currency translation, consolidations, and derivatives and hedging. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122 (120:130); junior standing. (Fall and Spring)

ACCT 4052 (120:142). 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 (120:132); junior standing. (Spring)

ACCT 4065/5065 (120:145g). Principles of Fraud Examination — 3 hrs.

Examination of motivation, prevention, detection, investigation, and resolution of fraud. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122

Course Descriptions

(120:130); ACCT 4160 (120:134); ACCT 3140 (120:136); MGMT 2080 (150:080); junior standing. (Summer)

ACCT 4070/5070 (120:139g). 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 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122 (120:130); junior standing. (Fall and Spring)

ACCT 4080 (120:148). 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 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122 (120:130); ACCT 3130 (120:131); ACCT 3140 (120:136); ACCT 4150 (120:132); ACCT 4160 (120:134); junior standing. (Spring)

ACCT 4082 (120:149). 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 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122 (120:130); ACCT 3130 (120:131); ACCT 3140 (120:136); ACCT 4150 (120:132); ACCT 4160 (120:134); ACCT 6170 (120:201) or ACCT 3075; junior standing or admission to the MAcc program. (Spring)

ACCT 4084 (120:150). 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 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122 (120:130); ACCT 3130 (120:131); ACCT 3140 (120:136); ACCT 4150 (120:132); ACCT 4160 (120:134); junior standing. (Spring)

ACCT 4150 (120:132). 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 (120:030); ACCT 2130 (120:031); C- or better in ACCT 3120 (120:129); junior standing. (Fall and Spring)

ACCT 4160 (120:134). Auditing — 3 hrs.

Principles, practices, and procedures used to determine reliability of financial records and statements. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); C- or better in ACCT 3120 (120:129); ACCT 3122 (120:130); ACCT 3140 (120:136); 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 (120:030); ACCT 2130 (120:031); C- or better in ACCT 3120 (120:129); ACCT 3122 (120:130); ACCT 3140 (120:136); ACCT 4160 (120:134); junior standing. (Variable)

ACCT 6030 (120:262). 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 (120:030) or equivalent; consent of MBA Director or MAcc Director. (Fall)

ACCT 6052 (120:242). 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 (120:132); admission to MAcc program. (Spring)

ACCT 6090 (120:269). 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 (120:280). 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 (120:229). 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 (120:236). 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 (120:136); MGMT 2080 (150:080); admission to MAcc program. (Fall)

ACCT 6170 (120:201). 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 (120:214). 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 (120:132); ACCT 4160 (120:134); admission to MAcc program. (Fall)

ACCT 6285 (120:285). 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 (120:289). 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 (120:299). 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 (800:146). 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 (800:145g). 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 (800:060); junior standing. (Same as MATH 3780/5780 (800:145g)) (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 (800:145g)/MATH 3780/5780 (800:145g). (Variable)

ACT SCI 4735/5735 (800:153g). Actuarial Mathematics — 3 hrs.

Survival distributions and life tables, life insurance, life annuities, benefit premiums. Prerequisite(s): MATH 3752/5752 (800:152g); junior standing. (Even Falls)

ACT SCI 4739/5739 (800:158g). 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 (800:152g); junior standing. (Odd Springs)

ACT SCI 4785/5785 (800:197g). 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 (800:152g); junior standing. (Spring)

ACT SCI 4788/5788 (800:170g). 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 (800:152g); STAT 3775/5775 (800:174g); junior standing. (Odd Falls)

Anthropology Courses (ANTH)

Courses

ANTH 1001 (990:010). Human Origins — 3 hrs.

Introduction to physical anthropology and archaeology with emphases on evolutionary theory, variation and adaptation, primatology,

paleoanthropology, animal and plant domestication, and the rise to early civilization. (Fall and Spring)

ANTH 1002 (990:011). Introduction to Cultural Anthropology — 3 hrs.

Introduction to cross-cultural perspective on human behavior. Consideration of the nature of society and culture among diverse human groups, from hunter-gatherers to industrialized city dwellers, by examination of their technologies, economic systems, family life, political structures, art, languages, and religious beliefs and practices. Emphasis on non-Western societies. (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 2401. Tribal Religions — 3 hrs.

Tribal Religions is designed to provide students with an introduction to the religions and spirituality of indigenous societies from around the world. Special attention is given to the relationships between religion and the environment, and between religion and the social, political and economic organizations of a society. (Same as RELS 2401) (Fall)

ANTH 2420. Primate Behavior — 3 hrs.

Examination of behavior and appearance of nonhuman primates in response to environmental and social factors. Investigation of how diet, reproduction, and social interaction among prosimians, monkeys, and apes act as a foundation for interpreting the origins of humans and their behaviors. Prerequisite(s): ANTH 1001 (990:010). (Fall)

ANTH 3001 (990:177). 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 (400:001) or SOC 1000 (980:001) or ANTH 1002 (990:011). (Same as SOC 3001 (980:177)) (Spring)

ANTH 3080/5080 (990:120g). 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 (980:001) or ANTH 1002 (990:011); junior standing. (Same as SOC 3080/5080 (980:120g)) (Variable)

ANTH 3101/5101 (990:164g). 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 (400:001) or ANTH 1002 (990:011); junior standing. (Same as PSYCH 4607/5607 (400:164g)) (Spring)

ANTH 3102/5102 (990:168g). 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

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anthropology; the social fabric of health; the cultural context of health, illness, and disease. Prerequisite(s): SOC 1000 (980:001) or ANTH 1002 (990:011); junior standing. (Same as SOC 3102/5102 (980:168g)) (Variable)

ANTH 3103 (990:161). Religion, Magic, and Witchcraft — 3 hrs.
This course emphasizes a comparative and anthropological approach to the study of religion, magic and witchcraft. Course content includes the study of classical theoretical frameworks that explain of religious beliefs and practices and in-depth discussions on diverse religious systems. Prerequisite(s): ANTH 1002 (990:011) and junior standing; or consent of instructor. (Same as RELS 3103 (640:161)) (Spring)

ANTH 3104/5104 (990:167g). 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 (400:001) or SOC 1000 (980:001) or ANTH 1002 (990:011); junior standing. (Same as PSYCH 4608/5608 (400:167g) and SOC 3411/5411 (980:167g)) (Spring)

ANTH 3132 (990:132). 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 (680:132)) (Variable)

ANTH 3137 (990:137). 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 (680:137)) (Fall and Spring)

ANTH 3201 (990:151). 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 (990:010); junior standing. (Spring)

ANTH 3202/5202 (990:152g). 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 (990:010); junior standing. (Spring)

ANTH 3302 (990:142). Archaeology of the New World — 3 hrs.
Prehistory of North American Indians and major prehistoric cultures in Central and South America, including the Aztec, Maya, and Inca, traced from earliest arrival of peoples in the New World to time of European contact. Prerequisite(s): ANTH 1001 (990:010); junior standing or consent of instructor. (Variable)

ANTH 3303 (990:143). Archaeology of the Old World — 3 hrs.
Prehistory of Africa, Asia, Europe, and Australia from dawn of humanity to civilizations of Egypt, Indus Valley, Mesopotamia, and China. Emphasis also on prehistory of simple hunter-gatherer cultures in the Old World. Prerequisite(s): ANTH 1001 (990:010); junior standing or consent of instructor. (Variable)

ANTH 3420 (990:155). 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 (990:010). (Fall)

ANTH 3431/5431 (990:171g). 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 (990:010); ANTH 1002 (990:011); 3 hours of 100/3000/4000-level archaeology or consent of instructor; junior standing. (Odd Falls)

ANTH 3440/5440 (990:125g). 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 (960:125g)) (Variable)

ANTH 3441/5441 (990:162g). Crime, Law, and Justice: A Global Perspective — 3 hrs.
Exploration of similarities and diversity in crime, law, and social control in a cross-cultural and global perspective. Examination of case studies from traditional and contemporary; emphasis on theoretical approaches from anthropology, sociology, and criminology. Prerequisite(s): SOC 1000 (980:001) or ANTH 1002 (990:011); junior standing. (Variable)

ANTH 3450 (990:172). Archaeological Fieldwork — 3-8 hrs.
Introduction to field research techniques (survey, excavation, and mapping), laboratory processing, and hypothesis testing. Conducted in the field. Prerequisite(s): ANTH 1001 (990:010); consent of instructor. (Summer)

ANTH 3470 (990:102). Conflict Resolution — 3 hrs.
Survey of social science theory and research in conflict resolution with emphasis on development of less destructive modes of problem solving in social formations. Prerequisite(s): SW 1001 or PSYCH 1001 (400:001) or SOC 1000 (980:001) or consent of instructor; junior standing. [Same as SW 3102 (450:102) and SOC 3090 (980:102)] (Fall and Spring)

ANTH 3501 (990:145). 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 (990:184). 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 (990:189g). 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 4001/5001 (990:176g). Anthropological Theory — 3 hrs.

Major theoretical developments in anthropology, including both historical and contemporary schools and trends. Prerequisite(s): ANTH 1002 (990:011); junior standing. (Fall)

ANTH 4010/5010. 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. Recommended ANTH 1002 (990:011) be taken prior to this course. Prerequisite(s): junior standing. (Fall or Spring)

ANTH 4015/5015 (990:178g). Qualitative Research — 3 hrs.

Development and application of the qualitative descriptive and analytic methods used in social science research. Prerequisite(s): SOC 1000 (980:001) or ANTH 1002 (990:011); junior standing. [Same as SOC 4015/5015 (980:178g)] (Variable)

ANTH 4016/5016 (990:180g). 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 (990:198). 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. Prerequisite(s): 12 hours in anthropology; junior standing. (Fall, Spring, Summer)

Art Education Courses (ARTED)

Courses

ARTED 1500 (600:090). Fine Arts Practices in the Classroom: Art — 2 hrs.

For elementary education majors with little or no experience in art. Study of psychological and artistic growth of elementary school student with emphasis on creativity and curricular development. Credit cannot be applied toward majors in Art. (Variable)

ARTED 2500 (600:091). 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 (600:092). 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 (600:091). (Variable)

ARTED 3505 (600:119). 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 (600:091). (Variable)

ARTED 4500 (600:121). 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 (600:091) 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 (600:295). 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 (600:004). 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;

Course Descriptions

relationship of the visual arts to other fields of human endeavor. (Fall and Spring)

ARTHIST 1111 (600:040). Survey of Art History I — 3 hrs.

Introduction to history of art; Ancient through Medieval. (Fall and Spring)

ARTHIST 1222 (600:041). Survey of Art History II — 3 hrs.

Introduction to history of art; Renaissance through Modern. (Fall and Spring)

ARTHIST 4000/5000 (600:138g). 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 (600:139g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisites for non-art majors: junior standing. (Variable)

ARTHIST 4010/5010 (600:140g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisites for non-art majors: junior standing. (Variable)

ARTHIST 4020/5020 (600:141g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4030/5030 (600:143g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4040/5040 (600:145g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4300/5300 (600:142g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4302/5302 (600:148g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4310/5310 (600:144g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4320/5320 (600:146g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4322/5322 (600:153g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisites for non-Art majors: junior standing. (Variable)

ARTHIST 4340/5340 (600:154g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisites for non-Art majors: junior standing. (Variable)

ARTHIST 4350/5350 (600:151g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite for non-Art major: junior standing. (Variable)

ARTHIST 4362/5362 (600:152g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); 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 (600:155g). 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 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors: junior standing. (Variable)

ARTHIST 4999/5999 (600:191g). 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 (600:040); ARTHIST 1222 (600:041); 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 (600:002). 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 (600:018). 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 (600:019). 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 (600:018). (Fall and Spring)

ART 1222 (600:026). 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 (600:027). 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 (600:050). 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 (600:025). 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 (600:080). 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 (600:060). 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 (600:032). 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 (600:034). Printmaking: Screenprint — 3 hrs.

Introduction to screenprinting processes. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Variable)

ART 2083 (600:035). 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)

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ART 2090 (600:037). 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 (600:118). 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 (600:018) and ART 1022 (600:019). (Variable)

ART 3011 (600:111). Life Drawing — 3 hrs.

Drawing from model using variety of media. May be repeated for credit. Prerequisite(s): ART 1022 (600:019). (Variable)

ART 3020 (600:161). 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 (600:050). (Fall and Spring)

ART 3022 (600:172). 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 (600:161). (Fall and Spring)

ART 3023/5023 (600:171g). 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 (600:161); junior standing. (Variable)

ART 3030 (600:125). 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 (600:025). (Fall and Spring)

ART 3031 (600:126). 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 (600:125). (Variable)

ART 3032 (600:128). 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 (600:125). (Variable)

ART 3033 (600:129). 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 (600:125). (Variable)

ART 3034 (600:127). 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 (600:125). (Variable)

ART 3035 (600:182). 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 (600:125). (Variable)

ART 3036 (600:181). 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 (600:125). (Variable)

ART 3037 (600:183). 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 (600:125) or consent of instructor. (Variable)

ART 3038 (600:184). 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 (600:125), and two additional 100/3000/4000-level graphic design studio courses. (Variable)

ART 3050 (600:162). 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 (600:080). (Fall and Spring)

ART 3055 (600:180). 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 (600:162). (Fall and Spring)

ART 3060 (600:163). 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 (600:060); junior standing. (Fall and Spring)

ART 3066/5066 (600:173g). 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 (600:163); junior standing. (Fall and Spring)

ART 3070 (600:130). 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 (600:032) or equivalent. (Fall and Spring)

ART 3077 (600:131). 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 (600:130). (Fall and Spring)

ART 3078 (600:132). Color Photography — 3 hrs.

Introduction to working with color photographic materials and processes including color negative films (Process C-41), negative printing papers, as well as color digital processes. Prerequisite(s): ART 3070 (600:130). (Variable)

ART 3080 (600:134). 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 (600:174). 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 (600:134). (Fall and Spring)

ART 3090 (600:137). 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 (600:037). (Fall and Spring)

ART 3099 (600:177). 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 (600:137). (Fall and Spring)

ART 4000 (600:175). 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 (600:194g). 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 (600:196). 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 (600:198). 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 (600:197). 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 (600:196); consent of instructor; B.F.A. exhibition must be scheduled concurrently. (Fall and Spring)

ART 4300/5300 (600:192g). 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 (600:189). B.F.A. Exhibition.

No credit. (Fall and Spring)

ART 6297 (600:297). Practicum.

May be repeated. (Variable)

ART 6299 (600:299). Research.

Prerequisite(s): consent of department. (Fall and Spring)

Athletic Training Courses (AT)

Courses

AT 1010 (42T:023). Introduction to Athletic Training and Applied Health Care — 2 hrs.

Introduction to the field of athletic training and other healthcare professions with emphasis on practice guidelines, policies and procedures, risk management, roles and responsibilities of athletic trainers and other healthcare professionals, and common illnesses and injuries. (Variable)

AT 1018 (42T:018). 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): PEMES 2024 (420:024) or PEMES 2050 (420:050). (Fall, Spring, Summer)

AT 1019 (42T:019). Prevention and Care Laboratory — 1 hr.

Laboratory experiences in first aid, CPR, and care of injuries for the physically active. Opportunity is provided to become certified in American Red Cross First Aid, and Community CPR. Prerequisite(s) or corequisite(s): AT 1018 (42T:018). (Fall, Spring, Summer)

AT 3000 (42T:140). 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). Prerequisite(s): acceptance into the athletic training program. (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 (42T:023); admission into the athletic training program. (Summer)

Course Descriptions

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 (42T:140) Clinical Integration). Prerequisite(s): admission to the athletic training program. (Summer)

AT 3020. Clinical Anatomy — 3 hrs.

Clinical anatomy of the human body which includes palpation, range of motion assessment, neurological testing, and structure identification and function. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. (Summer)

AT 3030. Acute Care in Athletic Training — 3 hrs.

The theory, ethics, components, indications, and psychomotor skills of acute and emergency care in athletic training. (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 (42T:023); Corequisite(s): AT 3030. (Fall)

AT 3040 (42T:137). Foundations of Orthopedic Injury Assessment & Pathology I — 3 hrs.

Recognition and understanding of athletic injuries and conditions occurring to the lower extremities. (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 (42T:137). Prerequisite(s): AT 3020 and admittance into the Athletic Training program; Corequisite(s): AT 3040 (42T:137). (Fall)

AT 3050 (42T:134). Foundations of Orthopedic Injury Assessment & Pathology II — 3 hrs.

Recognition and understanding of athletic injuries and conditions occurring to the upper extremities, torso, axial skeleton, and head. (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 (42T:134). Prerequisite(s): AT 3040 (42T:137) and admittance into the Athletic Training program; Corequisite(s): AT 3050 (42T:134). (Spring)

AT 3060 (42T:110). 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 (42T:023); admission into the athletic training program; junior standing. (Variable)

AT 3070 (42T:143). Therapeutic Interventions I — 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 1010 (42T:023); AT 3011; AT 3020; admission into athletic training undergraduate; junior standing. (Fall)

AT 3072. Therapeutic Interventions Clinical Skills I — 1 hr.

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3070 (42T:143). Prerequisite(s): AT 1010 (42T:023); AT 3011; AT 3020; admission into athletic training program; Junior Standing. Corequisite(s): AT 3070 (42T:143). (Fall)

AT 3080 (42T:157). 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 (42T:143); AT 3020; admission into the athletic training program; 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 (42T:157). Prerequisite(s): AT 3020; AT 3070 (42T:143); admission into the Athletic Training program; Junior Standing. Corequisite(s): AT 3080 (42T:157). (Spring)

AT 3091. Foundations of Pharmacology — 3 hrs.

Effects, indications, and contraindications of common therapeutic medications as it relates to general medical conditions. Prerequisite(s): Declared Athletic Training Rehabilitation Studies major or departmental consent. (Variable)

AT 3110 (42T:165). 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 (42T:137). (Variable)

AT 3120 (42T:170). 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. Prerequisite(s): admission into the Athletic Training program. (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. (Fall or Spring). Prerequisite(s): admission into the Athletic Training program. (Spring)

AT 3130 (42T:175). General Medical Conditions — 3 hrs.

Study of general medical conditions and disabilities commonly seen by certified athletic trainers. Prerequisite(s): AT 3060 (42T:110); admission into athletic training undergraduate; junior standing. (Variable)

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): Admission into the Athletic Training Program; AT 3011; AT 3020; AT 3030; AT 3050 (42T:134); junior standing. (Variable)

AT 3300. Gross Human Anatomy — 3 hrs.

The exploration of human anatomy through human cadaver dissection. Prerequisite(s): Consent of AT Division. (Variable)

AT 4140 (42T:178). 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 (42T:134). (Fall)

AT 4150 (42T:180). Athletic Training Seminar — 2 hrs.
Resume writing, interviewing, and a comprehensive review of the athletic training educational competencies. Prerequisite(s): AT 3060 (42T:110); senior standing. (Spring)

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 6030. 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. Corequisite(s): AT 6000. (Variable)

AT 6032. Advanced Acute Care Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6030. Prerequisite(s): Admission into the M.ATR. program. (Variable)

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 6070. 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 6100; AT 6150. (Variable)

AT 6072. Advanced Therapeutic Interventions I Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6070. Prerequisite(s): Admission into the 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 6070. (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 6100. 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, neurological testing, and structure identification and function. Prerequisite(s): Admission into the Masters of Athletic Training program. (Variable)

AT 6130. General Medical Assessment & Referral — 3 hrs.
Study of general medical conditions and disabilities commonly seen by certified athletic trainers. Prerequisite(s): Admission into M.ATR. program. (Variable)

AT 6150. 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 6210 (42T:210). 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 upper body. Prerequisite(s): Admission into the Masters of Athletic Training program or Masters of Science in Athletic Training graduate program. (Variable)

AT 6215. Pathoetiology and Orthopaedic Assessment I Clinical Skills — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6210 (42T:210). Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6220 (42T:220). 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 lower body. Prerequisite(s): Admission into the Masters of Athletic Training program or Masters of Science in Athletic Training graduate 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 (42T:220). Prerequisite(s): Admission into the M.ATR. program. (Variable)

AT 6240 (42T:230). 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 (42T:240). 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. Preventative Health Techniques — 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 in to M.ATR. program. (Variable)

AT 6260 (42T:250). Orthopaedic Surgical Interventions — 3 hrs.
In-depth study of pathological, biomechanical, and neuromuscular mechanisms of musculoskeletal injuries and the study of orthopaedic surgical interventions commonly performed for musculoskeletal injuries suffered by the physically active. Prerequisite(s): Admission

Course Descriptions

into the Masters of Athletic Training program or Masters of Science in Athletic Training graduate 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 into the Athletic Training graduate program. (Variable)

AT 6289 (42T:289). 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): admitted into the Doctor of Education Rehabilitation Studies intensive study area and/or the Master of Science Athletic Training degree program. (Fall and Spring)

AT 6297 (42T:297). 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): admitted into the Doctor of Education Rehabilitation Studies intensive study area and/or the Master of Science Athletic Training degree 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 Division. (Variable)

AT 7310 (42T:301). 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): admitted into the Doctor of Education Rehabilitation Studies intensive study area. (Variable)

AT 7320 (42T:310). 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 into the Doctor of Education Rehabilitation intensive study area. (Variable)

Biology Courses (BIOL) Courses

BIOL 1012 (840:012). Life: The Natural World — 3 hrs.

Examines living organisms with an emphasis on how the natural world functions as a system and how plants and animals, including humans, interact. Declared biology majors cannot receive either university or elective credit for this course. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

BIOL 1013 (840:013). Life: The Natural World - Lab — 1 hr.

Activities illustrating the importance, origins, and maintenance of biodiversity with a focus on the interactions among organisms and between organisms and the environment. Declared biology majors cannot receive either university or elective credit for this

course. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. Prerequisite(s) or corequisite(s): BIOL 1012 (840:012). (Fall and Spring)

BIOL 1014 (840:014). Life: Continuity and Change — 3 hrs.

Introduction to contemporary topics in biology. Emphasis on study of gene structure and function and applications of biology to human concerns. Declared biology majors cannot receive either university or elective credit for this course. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

BIOL 1015 (840:015). Life: Continuity and Change - Lab — 1 hr.

Process of science and application of biology to human concerns stressed through student activities involving basic life science concepts encompassing cell structure and function, human genetics, and disease transmission. Emphasis on assisting students in understanding role of biology in our present society. Lab, 2 periods. Declared biology majors cannot receive either university or elective credit for this course. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. Prerequisite(s) or corequisite(s): BIOL 1014 (840:014) or equivalent. (Fall and Spring)

BIOL 1033 (840:033). 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 1070. Bioscientific Terminology — 1 hr.

A study of common biological terms based on Latin and Greek roots, prefixes, and suffixes. Students will learn to interpret and remember novel scientific words, construct new biological terminology, and use scientific dictionaries. (Variable)

BIOL 2051 (840:051). 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. (Fall and Spring)

BIOL 2052 (840:052). 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. (Fall and Spring)

BIOL 3100 (840:100). 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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Fall and Spring)

BIOL 3101 (840:101). 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. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044)

and CHEM 1120 (860:048), or CHEM 1130 (860:070), or consent of department head. (Fall, Spring, Summer)

BIOL 3102 (840:102). Anatomy and Physiology II — 4 hrs.

Continuation of 840:101. 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 (840:101) or BIOL 3106 (840:106). (Fall, Spring, Summer)

BIOL 3106 (840:106). 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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Fall and Spring)

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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Variable)

BIOL 3108 (840:108). 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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Variable)

BIOL 3112 (840:112). Invertebrate Zoology — 4 hrs.

Morphology, physiology, phylogeny, taxonomy, and ecology of the invertebrates. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Variable)

BIOL 3120 (840:120). 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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Spring)

BIOL 3140 (840:140). Genetics — 4 hrs.

Analytical approach to classical, molecular, and population genetics. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Fall and Spring)

BIOL 3147 (840:147). 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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Spring)

BIOL 3151 (840:151). 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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Fall and Spring)

BIOL 3160 (840:160). 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 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Spring)

BIOL 3170 (840:170). Entomology — 3 hrs.

Introduction to biology of insects. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Variable)

BIOL 3174 (840:174). 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 (840:179). 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 (840:181). 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 (820:032). (Odd Falls)

BIOL 3185 (840:185). 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 (840:189). Seminar — 1-2 hrs.

(Variable)

BIOL 3190 (840:190). 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 for maximum of 4 hours. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052); sophomore standing; consent of department. (Fall, Spring, Summer)

BIOL 3191 (840:191). 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 3197 (840:197). Undergraduate Practicum in Biology Teaching — 1 hr.

Examination of teaching strategies and practical experience in laboratory teaching through observation and assistance in introductory biology laboratories. Offered on credit/no credit basis only. Prerequisite(s) or corequisite(s): BIOL 4193/5193 (840:193g); consent of instructor. (Variable)

Course Descriptions

BIOL 4105/5105 (840:105g). 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 (840:100); BIOL 3140 (840:140); 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. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Even Falls)

BIOL 4114/5114 (840:114g). 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 (840:100); BIOL 3140 (840:140); CHEM 2040 or CHEM 2210 (860:120); junior standing. (Even Falls)

BIOL 4116/5116 (840:116g). 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 (840:100); BIOL 3140 (840:140); CHEM 2040 or CHEM 2210 (860:120); junior standing. (Spring)

BIOL 4121/5121 (840:121g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Odd Falls)

BIOL 4122/5122 (840:122g). 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 (840:100); BIOL 3140 (840:140); CHEM 2040 or CHEM 2210 (860:120); junior standing. (Spring)

BIOL 4127/5127 (840:127g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Even Springs)

BIOL 4128/5128 (840:128g). 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 (840:100); BIOL 3140 (840:140); CHEM 2040 or CHEM 2210 (860:120); junior standing. (Spring)

BIOL 4129/5129 (840:129g). Genomics and Proteomics — 3 hrs.

Genome sequencing and analysis, sequence variation, sequencing for disease diagnosis, the epigenome in disease development, analysis of gene expression. Discussion, 2 periods; lab, 2 periods. Prerequisite(s):

BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Even Falls)

BIOL 4131/5131 (840:131g). Animal Behavior — 4 hrs.

Mechanisms, adaptive significance, evolution, and ecology of behavior and sociality. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Variable)

BIOL 4137/5137 (840:138g). 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 (840:100); BIOL 3140 (840:140); CHEM 2040 or CHEM 2210 (860:120); junior standing. (Odd Falls)

BIOL 4142/5142 (840:142g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Spring)

BIOL 4144/5144 (840:144g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Even Springs)

BIOL 4146/5146 (840:146g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Fall and Spring)

BIOL 4150/5150 (840:150g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Fall)

BIOL 4152/5152. Microbial Molecular Biology — 4 hrs.

Microbial gene action. Laboratory emphasizes methods used to study mechanisms of microbial gene function at the molecular level. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); CHEM 2040, or CHEM 2210 (860:120); junior standing. (Odd Falls)

BIOL 4153/5153 (840:153g). Recombinant DNA Techniques — 4 hrs.

Study of techniques for analyzing and manipulating DNA and RNA, including polymerase chain reaction, genomic library construction, gene expression, and genomic analysis with computers. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Even Falls)

BIOL 4154/5154 (840:154g). Aquatic Ecology — 3 hrs.

Introduction to geological, physical, chemical, and biological factors that interact to determine functional characteristics of inland waters. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Variable)

BIOL 4157/5157 (840:157g). 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 (800:046), or MATH 1120 (800:056) and MATH 1130 (800:044), or MATH 1420 (800:060), or equivalent; BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Fall)

BIOL 4164/5164 (840:164g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Fall)

BIOL 4166/5166 (840:166g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Odd Falls)

BIOL 4167/5167 (840:167g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Odd Springs)

BIOL 4168/5168 (840:168g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Fall)

BIOL 4172/5172 (840:172g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Even Falls)

BIOL 4176/5176. Microscopy Methods in Biology — 3 hrs.

The history, theory, and fundamental operating principles of light, stereo, and confocal microscopes. Labs will focus on the use of these microscopes, specimen preparation, and digital processing techniques of fixed and live specimens. Discussion, 1 period, laboratory, 2 periods, plus 1 period arranged. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Variable)

BIOL 4180/5180 (840:180g). 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 (840:100); BIOL 3140 (840:140); junior standing. (Odd Springs)

BIOL 4193/5193 (840:193g). Methods for Teaching Life Science — 3 hrs.

Teaching approaches, instructional and assessment strategies, curricular and laboratory materials, and issues related to grades 5-12 life science and biology. Field experiences in secondary school science classrooms. Discussion, 3 periods. Prerequisite(s): TEACHING 3128; EDPSYCH 3148 (200:148); MEASRES 3150 (250:150); SCI ED 3300/5300 (820:190g); SCI ED 3200; junior standing. (Spring)

BIOL 4198 (840:198). Independent Study — 1-6 hrs.

(Fall, Spring, Summer)

BIOL 6202 (840:202). Graduate Colloquium — 1 hr.

Weekly presentation by a student, faculty member, or visitor on biological topic. Taken each semester for four semesters for maximum of 4 hours. Discussion, 1 period. (Fall and Spring)

BIOL 6215. Advanced Molecular Cloning — 3 hrs.

Student teams will experiment with, analyze and trouble shoot real world cloning projects. Techniques used may include RT-PCR, Q-PCR, DNA sequence analysis, site-directed mutagenesis and gene design. Discussion, 2 periods; lab, 3 periods. Prerequisite(s): BIOL 4153/5153 (840:153g) or equivalent; consent of instructor. (Variable)

BIOL 6230 (840:230). 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 (840:292) recommended; consent of department. (Fall, Spring, Summer)

BIOL 6240 (840:240). 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 (840:250). 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 (840:260). 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 (840:270). 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 6280 (840:280). Advanced Analytical Techniques — 2 hrs.

Discussion of advanced modern methods of biological data collection and analysis, including the use of computer algorithms to help understand experimental results obtained from laboratory or field. Discussion and/or lab, 2 periods. Prerequisite(s): consent of instructor. (Variable)

BIOL 6289 (840:289). Seminar — 1 hr.

May be repeated for credit. (Variable)

BIOL 6292 (840:292). 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 (840:297). Practicum — 2 hrs.

May be repeated. (Variable)

Course Descriptions

BIOL 6299 (840:299). Research.

Prerequisite(s): consent of department. (Fall, Spring, Summer)

BIOL 629R (840:29R). Directed Research.

(Fall, Spring, Summer)

Business Administration, Interdepartmental Courses (BUSINESS)

Courses

BUSINESS 1000 (100:010). Introductory Seminar for Business Professionals.

0 hrs. Required for new business majors, an introduction to the CBA 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 (100:020). 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 (100:010) or consent of CBA advisor; pre- or declared business majors only. (Fall and Spring)

BUSINESS 2010 (100:040). Entrepreneurial Fundamentals — 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)

BUSINESS 3000 (100:110). Intermediate Professional Skills.

0 hrs. Experiential course where students engage in activities that help build professional skills. Coaching is provided to help students recognize how to apply the professional skills framework to choose activities that will enhance their skill readiness to enter the job market. Pass/no credit only. Prerequisite(s): BUSINESS 2000 (100:020) or consent of CBA 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. Work Experience and Management Theory — 3 hrs.

Develop deeper understanding of the inner workings of organizations by applying best-practice management theory to personal work experiences using the four managerial functions of planning, organizing, leading, and controlling as a framework. 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 (100:155). 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 (CAP:155) (CAP:155)] (Fall and Spring)

BUSINESS 3169 (100:169). 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 (100:120). 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 (100:020); BUSINESS 3000 (100:110) or consent of CBA 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 (920:024) (or ECON 1041 (920:053) and ECON 1051 (920:054)); 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 (920:024) (or ECON 1041 (920:053) and ECON 1051 (920:054)); BUS 3025; BUS 3030; admission to the Bachelor of Applied Science in Managing Businesses and Organizations major. (Variable)

BUSINESS 4055. Talent Management — 3 hrs.

How to recruit, retain, and develop an organization's most important resource ... its people. What distinguishes top talent from mediocre talent, and what makes an organization an employer of choice? How do things such as leadership, conflict management, and negotiations serve as management differentiators when it comes to effective organizations? Prerequisite(s): BUS 3050; 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)

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 (CAP:102). 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 (330:102)) (Spring)

CAP 3103 (CAP:103). 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 (CAP:105). 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 (CAP:106). 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 (490:106)) (Variable)

CAP 3121 (CAP:121). 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 (CAP:123). 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 (CAP:124). 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 (CAP:125). 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 (CAP:128). Ethics in Communication — 3 hrs.

Exploration of ethical dimensions and dilemmas in communication. Prerequisite(s): junior standing. (Same as COMM 4236 (48C:128)) (Spring)

CAP 3129 (CAP:129). 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 identity formation; the implications of globalization for national identity; how immigrants experience national identity; and, finally, the constructed and contingent nature of nations and national identity. Prerequisite(s): junior standing. (Variable)

CAP 3130 (CAP:130). 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 (CAP:131). 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)

Course Descriptions

CAP 3134 (CAP:134). 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 (CAP:140). 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): student must have satisfied university entrance requirements in English and Mathematics; 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 (CAP:148). 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. Prerequisite(s): junior standing. [Same as ENGLISH 3148] (Variable)

CAP 3151 (CAP:151). 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. [Same as SOC 3151] (Variable)

CAP 3152 (CAP:152). 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 HPE 3650 (410:152)) (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 (CAP:155). 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 (100:155)) (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 (CAP:158). 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 3160 (CAP:160). 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 HPE 3160 (410:160)) (Variable)

CAP 3162. Ireland: Literature, Culture, History — 3 hrs.

Designed to satisfy Liberal Arts Core 6, Capstone Experience, generally offered as a Summer Study Abroad course. 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. Prerequisite(s): junior standing. (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. Prerequisite(s): junior standing. (Same as GER 3334 and TESOL 3565) (Fall and Spring)

CAP 3173 (CAP:173). 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. Prerequisite(s): junior standing. (Same as RELS 3510 (640:173) and PHIL 3510 (650:173)) (Fall and Spring)

CAP 3187 (CAP:187). 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. Prerequisite(s): junior standing. (Same as ENGLISH 4577 (620:187)) (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 (CAP:194). 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. Prerequisite(s): junior standing. (Same as RELS 3110 (640:194) and PHIL 3110 (650:194)) (Fall and Spring)

CAP 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. Satisfies LAC 6: Capstone Experience. Prerequisite(s): junior standing. (Same as TESOL 3550) (Summer)

Chemistry and Biochemistry Courses (CHEM)

Courses

CHEM 1010 (860:010). 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. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

CHEM 1011 (860:011). 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. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

CHEM 1020 (860:020). 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 (860:044). 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 (860:070) following departmental advisement. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): student must have satisfied university entrance requirements in English and

Mathematics; satisfactory score on ALEKS exam. (Fall, Spring, Summer)

CHEM 1120 (860:048). General Chemistry II — 4 hrs.

Continuation of CHEM 1110 (860:044) with emphasis on chemistry of non-metals, metals, chemical and ionic equilibrium, and separation and identification of ions. Discussion, 3 periods; lab, 3 periods. For pre-professional students and science majors with a special interest in chemistry. Prerequisite(s): CHEM 1110 (860:044) or equivalent. (Fall, Spring, Summer)

CHEM 1130 (860:070). General Chemistry I-II — 5 hrs.

Accelerated course for well-prepared students. Content similar to CHEM 1110 (860:044) and CHEM 1120 (860:048) 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 (860:030). 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 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 (860:123). Discussion, 3 periods; lab, 3 periods. Prerequisite(s): CHEM 1010 (860:010) or CHEM 1120 (860:048) or CHEM 1130 (860:070). (Fall and Spring)

CHEM 2110 (860:110). 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 (860:048) or CHEM 1130 (860:070). (Fall and Spring)

CHEM 2210 (860:120). 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 (860:048) or CHEM 1130 (860:070). (Fall, Spring, Summer)

CHEM 2220 (860:123). Organic Chemistry II — 3 hrs.

Continuation of CHEM 2210 (860:120). Discussion, 3 periods. Prerequisite(s): CHEM 2210 (860:120). (Fall, Spring, Summer)

CHEM 2230 (860:121). Organic Chemistry Laboratory — 2 hrs.

Purification and identification techniques and some representative organic reactions. Lab, 6 periods. Prerequisite(s) or corequisite(s): CHEM 2210 (860:120). (Fall and Spring)

CHEM 2310 (860:132). Chromatography and Quantitative Analysis — 4 hrs.

Theory, technique, and calculations of volumetric and gravimetric analysis. Statistical treatment of data. Classical analytical procedures supplemented by chromatographic and instrumental techniques. Discussion, 2 periods; lab, 6 periods. Prerequisite(s): CHEM 1120 (860:048) or CHEM 1130 (860:070). (Fall and Spring)

CHEM 3600 (860:180). Undergraduate Research in Chemistry — 1-3 hrs.

May be repeated for maximum of 6 hours. Prerequisite(s): CHEM 2230 (860:121); CHEM 2310 (860:132); consent of department head. Credit applied to B.S. Chemistry major requires additional prerequisite of CHEM 4420/5420 (860:140g) or CHEM 4430/5430 (860:141g). (Fall, Spring, Summer)

Course Descriptions

CHEM 4010/5010. 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 2220 (860:123); junior standing. (Fall and Spring)

CHEM 4110/5110 (860:145g). 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 (860:110); CHEM 2210 (860:120); CHEM 4420/5420 (860:140g); 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 (860:145g) or consent of instructor; junior standing. (Variable)

CHEM 4200/5200 (860:144g). 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 (860:044) and CHEM 1120 (860:048) (or CHEM 1130 (860:070)); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing. [Same as PHYSICS 4200/5200 (880:144g)] (Odd Falls)

CHEM 4210/5210 (860:148g). 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 (860:044) and CHEM 1120 (860:048) (or CHEM 1130 (860:070)); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing. [Same as PHYSICS 4210/5210 (880:148g)] (Even Falls)

CHEM 4220/5220 (860:161g). 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 (860:121); CHEM 2310 (860:132); 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 (860:123); CHEM 4430/5430 (860:141g); or consent of instructor; junior standing. (Variable)

CHEM 4310/5310 (860:137g). Instrumental Analysis — 4 hrs.

Application of physical chemical principles to theory and practice of instrumental methods of analysis such as spectrophotometric, electroanalytical, chromatographic, and computerized techniques. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): CHEM 2210 (860:120); CHEM 2310 (860:132); junior standing. Prerequisite(s) or corequisite(s): CHEM 4420/5420 (860:140g). (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 (860:137g); CHEM 4420/5420 (860:140g); CHEM 4430/5430 (860:141g); or consent of instructor; junior standing. (Variable)

CHEM 4420/5420 (860:140g). 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 (860:048) or CHEM 1130 (860:070); MATH 1420 (800:060); PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing. (Fall)

CHEM 4430/5430 (860:141g). 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 (860:140g), MATH 1421 (800:061); junior standing. (Spring)

CHEM 4440/5440 (860:143g). Physical Chemistry Laboratory — 2 hrs.

Physical measurement techniques in chemistry. Lab, 6 periods. Prerequisite(s): CHEM 2310 (860:132); CHEM 4420/5420 (860:140g); junior standing. Prerequisite(s) or corequisite(s): CHEM 4430/5430 (860:141g). (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 (860:140g); CHEM 4430/5430 (860:141g); 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 (860:123); junior standing. (Fall and Spring)

CHEM 4510/5510 (860:154g). 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 (860:123); junior standing. (Fall and Spring)

CHEM 4520/5520 (860:155g). Biochemistry II — 3 hrs.

Continuation of CHEM 4510/5510 (860:154g)/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 (860:154g); junior standing. (Spring)

CHEM 4530/5530 (860:156g). 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 (860:154g); junior standing. Prerequisite(s) or corequisite(s): CHEM 4520/5520 (860:155g). (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 (860:154g); CHEM 4520/5520 (860:155g); junior standing. (Variable)

CHEM 4610/5610 (860:149g). Advanced Synthesis Laboratory — 2 hrs.

Advanced techniques in synthesis, purification, and characterization of organic and inorganic compounds. Lab, 6 periods. Prerequisite(s): CHEM 2110 (860:110); CHEM 2230 (860:121); junior standing. Prerequisite(s) or corequisite(s): CHEM 2220 (860:123). (Fall)

CHEM 4620/5620. Special Problems in Chemistry — 1-6 hrs.

Credit determined at registration. Problems selected according to needs of students. Prerequisite(s): consent of department head; junior standing. (Fall and Spring)

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 4650/5650. Corporate Chemistry — 3 hrs.

Survey of the major fields of industrial chemistry, with an introduction to the most important chemicals from a corporate perspective and their production and uses. Includes study and discussion of corporate economics, regulatory environment, and environmental issues. Prerequisite(s): junior standing. (Variable)

CHEM 6289 (860:289). Seminar — 1 hr.

Current topics in chemistry. May be repeated.

CHEM 6299 (860:299). Research.

Prerequisite(s): consent of department head. (Fall, Spring, Summer)

CHEM 629R (860:29R). Directed Research.

(Fall and Spring)

Chinese Courses (CHIN)

Courses

CHIN 1001 (710:001). Elementary Chinese I — 4-5 hrs.

For beginners. (Variable)

CHIN 1002 (710:002). Elementary Chinese II — 4-5 hrs.

Continuation of CHIN 1001 (710:001). Prerequisite(s): CHIN 1001 (710:001) or consent of instructor. (Variable)

CHIN 1011 (710:011). Intermediate Chinese I — 4-5 hrs.

Continuation of CHIN 1002 (710:002). 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 (710:002) or consent of instructor. (Variable)

Communication Sciences and Disorders Courses (CSD)

Courses

CSD 1000 (51C:006). 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 (51C:106). 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 (51C:111). 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 (51C:164g). Neuroscience and the Study of Communication Disorders — 3 hrs.

Study of neuroanatomical and neurophysiological bases of speech production. Prerequisite(s): CSD 3135 (51C:114); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 3135 (51C:114). 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 (51C:114); CSD 3130/5130 (51C:164g); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3190 (51C:170). American Sign Language (ASL) I — 3 hrs.

Introduction to principles and use of American Sign Language. Prerequisite(s): Sophomore standing or with permission from instructor. (Fall and Spring)

CSD 3195 (51C:173). 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): CSD 3190 (51C:170) (grade of C or better) (Fall and Spring)

CSD 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 CSD 3190 (51C:170) and 3195 (grade of C or better). (Fall and Spring)

CSD 3200/5200 (51C:127g). 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

Course Descriptions

and collaboration with classroom teachers. Prerequisite(s): CSD 3100 (51C:106); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 3220 (51C:125). 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 (51C:111) or consent of instructor; minimum 3.00 GPA or consent of department head. (Fall)

CSD 3250/5250 (51C:162g). Speech Science — 3 hrs.

Study of sound analysis techniques used in the diagnosis of and research into disorders of communication. Includes laboratory experience. Prerequisite(s): CSD 3260/5260 (51C:175g); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3260/5260 (51C:175g). 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 (51C:177g). 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 (51C:175g); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Spring)

CSD 3650 (51C:152). 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 (51C:006); CSD 3100 (51C:106); minimum 3.00 GPA; junior standing or consent of instructor. (Fall and Spring)

CSD 3700/5700 (51C:168g). 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 (51C:180g). 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 (51C:175g); CSD 3270/5270 (51C:177g); junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (Fall)

CSD 4000/5000 (51C:197g). 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 (51C:160g). Augmentative Communication — 2 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 4150/5150. Developmental Neurology in Communication Sciences and Disorders — 3 hrs.

Provides advanced undergraduate and new graduate students in communication sciences and disorders with experience focusing on neurological based communication disorders in children birth to 5 years. Prerequisite(s): CSD 3100 (51C:106); CSD 3135 (51C:114); CSD 3130/5130 (51C:164g) or consent of instructor; junior standing; minimum 3.00 GPA or consent of department head. Department consent required to take at 5000-level. (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 (51C:155). 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 (51C:106); CSD 3120 (51C:111); CSD 3135 (51C:114); CSD 3200/5200 (51C:127g); CSD 3220 (51C:125); CSD 3650 (51C:152); minimum 3.00 GPA; senior standing or consent of instructor. (Fall and Spring)

CSD 6000 (51C:200). 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 6100 (51C:282). Professional Issues — 1 hr.

Study of current professional issues in speech-language pathology. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

CSD 6200 (51S:220). Advanced Study of Craniofacial Disorders — 2 hrs.

Advanced study of etiology, nature, habilitation, and associated problems resulting from facial clefts and other structural facial deviations. Evaluative and therapeutic principles and practices. Includes laboratory. Prerequisite(s): CSD 3220 (51C:125) or consent of instructor; admitted to graduate program in Speech-Language Pathology or department consent. (Variable)

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 (51C:114) or consent of instructor; admitted to graduate

program in speech-language pathology or department consent.
(Variable)

CSD 6285 (51C:285). 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 (51S:289). 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 (51C:299). 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 (51S:222). 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 (51S:226). 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 (51S:230). 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 (51S:255). 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 (51C:155) 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 (51C:155) 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 (51S:255) or consent of instructor. (Variable)

CSD 6580 (51C:257). 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 (280:250); minimum 16-

week, full-time without TEACHING 6250 (280:250). Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Fall, Spring, Summer)

CSD 6600 (51S:229). Dysphagia — 2 hrs.

Diagnosis and remediation of dysphagia in children and adults. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

CSD 6650 (51S:228). 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 (51S:255). (Variable)

CSD 6700 (51S:232). 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 (51C:125) 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. (Variable)

Communication Studies Courses (COMM)

Courses

COMM 1000 (48C:001). 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 1205 (48C:031). Group Communication Skills — 3 hrs.

Study of how people use their communication to create and perpetuate effective groups; experiential exploration of the dynamics and processes involved in group communication including the pitfalls and struggles faced by students when they work in groups. Prerequisite(s): 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). (Fall and Spring)

COMM 1940 (48C:091). 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 (48C:093). 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

Course Descriptions

maximum of 8 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

COMM 2011 (48C:002). Exploring Communication Studies — 1 hr.

Overview of the communication discipline; investigation of career paths as a communication studies major. Prerequisite(s): 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). (Fall, Spring, Summer)

COMM 2255 (48C:071). Public Speaking — 3 hrs.

Teaches students to prepare, adapt, present, and critique a variety of speeches in a public setting. Prerequisite(s): 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). (Fall and Spring)

COMM 2256 (48C:011). Performing Texts — 3 hrs.

Introduction to the performance, analysis, and criticism of literary and aesthetic texts. (Spring)

COMM 2257 (48C:074). Argumentation and Debate — 3 hrs.

Training in the basics of academic debate and policy analysis. Prerequisite(s): 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). (Fall)

COMM 2344 (48C:004). Interpersonal Communication — 3 hrs.

Study of communication in relationships; exploration and experience with concepts and processes involved in one-to-one communication. Prerequisite(s): 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). (Fall, Spring, Summer)

COMM 2455 (48C:015). 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 (48C:011). (Spring)

COMM 2456. Performance of 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 (48C:025). Interactive Digital Communication — 3 hrs.

Examines introductory digital studies topics, including visual grammar, design history, 21st century literacy practices and aspects of writing and designing for the Web. (Fall and Spring)

COMM 3000/5000 (48C:166g). 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 (48C:132). 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. Prerequisite(s): 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). (Variable)

COMM 3155 (48C:173). 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. Prerequisite(s): 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). (Fall and Spring)

COMM 3157. Seminar on Leadership Development: The Future — 1-2 hrs.

Synthesis of theory and practice of leadership; examination of case studies and research on leadership issues and ethics; preparation of career plans that include service component. Prerequisite(s): HUM 3110; junior standing. [Same as HUM 3188 (680:188)] (Variable)

COMM 3179 (48C:179). Cooperative Education — 1-6 hrs.

(Fall, Spring, Summer)

COMM 3455 (48C:146). Performing Stories, Narratives, 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. (Fall)

COMM 3557. Advanced Digital Visualization: (Topic) — 3 hrs.

Intensive work in specialized digital visualization concepts and practices. 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 (48C:025), junior standing or consent of instructor. (Fall)

COMM 3900/5900 (48C:197g). 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 (48C:191). 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 (48C:193). 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 (48C:180g). 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 (48C:080) or equivalent; junior standing. (Fall)

COMM 4022/5022 (48C:183g). 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 (48C:080) or equivalent; junior standing. (Spring)

COMM 4023/5023 (48C:189g). 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 (48C:080) or ENGLISH 2120 (620:034) or equivalent; junior standing. (Spring)

COMM 4111/5111 (48C:131g). Group Communication Theory and Analysis — 3 hrs.

In-depth study of theories and research in group communication. Prerequisite(s): junior standing; 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). (Spring)

COMM 4116/5116 (48C:138g). 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 4134/5134 (48C:134g). 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): MGMT 3153 (150:153) or COMM 3055 (48C:132); COMM COR 2020 (48C:080); junior standing. (Fall)

COMM 4155/5155 (48C:135g). 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 (48C:080); COMM 3055 (48C:132); junior standing. (Spring)

COMM 4211/5211 (48C:123g). 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 (48J:002) or COMM COR 2020 (48C:080) or COMM 2555 (48C:025) or COMM DM 1611 or ENGLISH 2120 (620:034) or ART HIST 1004 or ART 1002 (600:002). (Variable)

COMM 4216/5216 (48C:160g). 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 (48C:176g). 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 (48C:178). 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 4236 (48C:128). Ethics in Communication — 3 hrs.

Exploration of ethical dimensions and dilemmas in communication. Prerequisite(s): junior standing. (Same as CAP 3128 (CAP:128)) (Spring)

COMM 4311/5311 (48C:121g). 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 (680:102g)) (Fall)

COMM 4316/5316 (48C:136g). Mediation Theory and Process — 3 hrs.

Analysis of mediation concepts and processes involving third party intervention in a conflict context. Prerequisite(s): COMM 2344 (48C:004); junior standing. (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 (48C:144g). Advanced Interpersonal Communication — 3 hrs.

Advanced study of theories and research in interpersonal communication. Prerequisite(s): COMM 2344 (48C:004); junior standing. (Fall)

COMM 4333/5333 (48C:148g). Communication and Conflict Management — 3 hrs.

Exploration of the processes involved in managing conflict in various communication contexts. Prerequisite(s): COMM 2344 (48C:004); junior standing. (Spring)

COMM 4344/5344 (48C:151g). 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 (48C:153g). 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)

Course Descriptions

COMM 4347/5347 (48C:142g). 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 (48C:004); junior standing. (Fall)

COMM 4355/5355 (48C:141g). Listening — 3 hrs.

Study of theory and process of listening, methods of improving skills, and career applications. Prerequisite(s): junior standing. (Spring)

COMM 4411/5411 (48C:122g). Language and Communication — 3 hrs.

Language theories and analysis approaches, including sociolinguistics, pragmatics, conversation analysis, discourse analysis, and ethnography of speaking, with applications for interpersonal, organizational, and public contexts. Prerequisite(s): junior standing. (Fall and Spring)

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 (48C:025); junior standing. (Spring)

COMM 4444/5444 (48C:155g). 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 (48C:113g). Social Protest: Performance and Rhetoric — 3 hrs.

Study of rhetorical and performance texts in social protest, public awareness, identity formation, and rhetorical movements. Special attention to issues of race, sex and sexuality, age, and/or class. Prerequisite(s): junior standing. (Variable)

COMM 4447/5447 (48C:108g). Performance and Social Change — 3 hrs.

Study of creation and theory of interactive performances as a method to create dialog and promote civic engagement related to social justice issues. Prerequisite(s): junior standing. (Spring)

COMM 4448/5448 (48C:110g). 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 (48C:117g). 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 (48C:015); approved Performance Studies project application; junior standing; consent of instructor. (Fall and Spring)

COMM 4544/5544 (48C:120g). 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 4555/5555 (48C:168g). Message Design and Delivery — 3 hrs.

Advanced course that teaches students to prepare, adapt, and deliver messages in a variety of settings. Special attention is paid to analysis for making choices and integrating presentation technology into the communication process. Prerequisite(s): junior standing; 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). (Variable)

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 (48C:025); junior standing. (Variable)

COMM 4559/5559 (48C:187g). Methods of Teaching Speech — 3 hrs.

Teaching strategies for grades 5-12; application of educational principles to the communication classroom. Strongly recommended to precede student teaching. Prerequisite(s): 12 hours of COMM (48C) course work; TEACHING 2017; EDPSYCH 2030 (200:030); junior standing. (Fall)

COMM 4909/5909 (48C:119g). Readings in Performance Studies — 1-3 hrs.

Extensive individual study of special topics in performance studies theory, history, or research. Prerequisite(s): COMM 2256 (48C:011); COMM 4447/5447 (48C:108g) or COMM 4448/5448 (48C:110g); junior standing. (Variable)

Communication Studies Core Courses (COMM COR)

COMM COR 1010 (48J:002). 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 (48C:080). 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. Prerequisite(s): 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). (Fall and Spring)

COMM COR 4124 (48C:124). Communication Theories — 3 hrs.

Investigation of theories and concepts used to explain human communication. Prerequisite(s): 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). (Fall and Spring)

Communication Studies: Digital Media Courses (COMM DM)

Courses

COMM DM 1611. Digital Media Literacies — 3 hrs.

Analysis and critique of the production and consumption of media messages to develop students as ethical and active digital citizens. Prerequisite(s): COMM COR 1010 (48J:002). (Fall)

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 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. Corequisite(s): COMM DM 1651. (Fall and Spring)

COMM DM 1651. Digital Media Production I — 3 hrs.

Introduction to creative storytelling across digital formats and platforms, including basic concepts 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. (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. Prerequisite(s): COMM COR 1010 (48J:002). (Fall and Spring)

COMM DM 2651. Digital Media Production II — 3 hrs.

Building on the concepts of COMM DM 1651: Digital Media I, further exploration of creative storytelling using digital video, audio, live studio, and web concepts and technologies for multiple formats. Special emphasis on aesthetic and technical skills in post-production, including motion graphics, image manipulation, video, and sound editing. Also includes delivery of content over multiple platforms. 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 maximum of 6 hours if different topic. Prerequisite(s): COMM DM 1651 or consent of instructor. (Fall and Spring)

COMM DM 2653. News Writing for Media — 3 hrs.

Principles and practice of reporting, writing, and editing news for multiple media platforms. Prerequisite(s): COMM COR 1010 (48J:002); COMM DM 1620. (Fall and Spring)

COMM DM 2950. Applied Digital Media — 1 hr.

Practical project experience for qualified students who work for KULT Radio, Cedar River Productions, 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 3000Z. Communication Studies: Digital Media Courses — 1-3 hrs.

Communication Studies: Digital Media Courses

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 (48J:002) 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 (48J:002). (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

Course Descriptions

reality storytelling, and podcasts. Prerequisite(s): COMM DM 1651; 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. (Fall and Spring)

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, Cedar River Productions, 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 Mass Communication — 3 hrs.

Development of the structure, economics, and content of mass communication in the United States; examination of significant persons and events contributing to the technological, economic, and social development of mass media. Equal emphasis on print and digital media. Prerequisite(s): COMM COR 1010 (48J:002); junior standing. (Spring)

COMM DM 4612/5612. Digital Media: Processes and Effects — 3 hrs.

Critically examines the processes, functions, and effects of digital media on audiences/users. Special attention to the impact of digital media in political, social, economic, and cultural contexts. Prerequisite(s): COMM COR 2020 (48C:080); junior standing. (Spring)

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 (48C:080); junior standing. (Fall)

COMM DM 4622/5622. Digital Media Audiences — 3 hrs.

Examination of characteristics and behaviors of audiences/users of digital media content. Special attention to audience research methodologies and impact of new communication technologies on audience behavior. Prerequisite(s): COMM COR 1010 (48J:002); junior standing. (Fall)

COMM DM 4630/5630. Journalism, Law, and Ethics — 3 hrs.

Origins and contemporary issues in mass communication law and ethics, including those in journalism and public relations. Libel, fair trial, law, and self-regulation in journalism and public relations. Prerequisite(s): junior standing. (Fall and Spring)

COMM DM 4631/5631. Digital Media Law — 3 hrs.

Explores regulation of digital media industries and the effects of political, economic, and cultural dynamics on media policy and media content. Critical analysis of how citizens, consumers, and media companies are impacted by media ownership rules and consolidation; copyright laws and remix culture; Internet access; sex and violence in media; invasion of privacy; regulation of advertising and political ads; and free speech for media producers. Prerequisite(s): COMM COR 1010 (48J:002); junior standing. (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 (48C:080); 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 (48J:002); junior standing or consent of instructor. (Variable)

COMM DM 4644/5644. Global Mass Communication Systems — 3 hrs.

Media practices and philosophies in the major regions of the world. Government and economic structures of global communications processes and practices. Prerequisite(s): COMM COR 1010 (48J:002); junior standing. (Fall)

COMM DM 4650/5650. Advanced Reporting — 3 hrs.

Writing and producing news stories for multiple news platforms, based on beat reporting, coverage of business and current events, and investigative journalism. 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, COMM DM 3652, COMM DM 3653, COMM DM 3654, 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 (48J:002); 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 (48J:002); 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. (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 (620:015) or consent of instructor; junior standing. (Spring)

Communication Studies Graduate Courses (COMMGRAD)

Courses

COMMGRAD 6001 (48C:201). Introduction to Graduate Study and Research — 3 hrs.

Exploration of communication research methodologies and resources. (Fall and Spring)

COMMGRAD 6011 (48C:224). Communication Theory — 3 hrs.

In-depth exposure to historical and contemporary scholarship that informs and constitutes theories of communication. Interdisciplinary with focus on social scientific and critical research on human communication, media studies, and rhetorical and performance theories. (Spring)

COMMGRAD 6014 (48C:251). Critical and Cultural Studies in Communication — 3 hrs.

Examines contemporary theories of how performance, culture, identity, visual rhetoric, and bodies are communicatively constructed. Emphasizes connections among theories, communication practices, and students' creative/scholarly projects. Prerequisite(s): COMMGRAD 6001 (48C:201) or approval of instructor. (Fall and Spring)

COMMGRAD 6016 (48E:224). 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 (48C:236). 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 (48C:201) or approval of instructor.

COMMGRAD 6022 (48C:236)-01 Quantitative Methods.

Introduction to the quantitative methods employed in the study of communication, including experimental and survey techniques.

COMMGRAD 6022 (48C:236)-02 Qualitative Methods.

Introduction to the qualitative research methods employed in the study of communication, including interpretive and ethnographic techniques.

COMMGRAD 6022 (48C:236)-03 Critical Methods.

Introduction to the elements of critical, rhetorical, and performance methods, as well as alternative methods of textual criticism, and analysis and preparation of examples of textual criticism. (Fall and Spring)

COMMGRAD 6027 (48P:282). Seminar in Public Relations — 3 hrs.

Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Variable)

COMMGRAD 6041 (48C:232). Seminar in Organizational Communication — 3 hrs.

Various topics offered with specific title indicated in Schedule of Classes. May be repeated more than once on different topic. (Fall)

COMMGRAD 6042 (48C:222). 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 (48C:212). 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 (48C:282). 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 (48E:222). Seminar in Mass Communication — 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 (48C:299). Research.

Prerequisite(s): consent of department. (Fall, Spring, Summer)

COMMGRAD 6955 (48C:291). 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 Studies: Public Relations Courses (COMM PR)

Courses

COMM PR 1811 (48P:005). 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. Prerequisite(s): COMM 1000 (48C:001) and ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015) or ENGLISH 2120 (620:034) or

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the Cornerstone equivalent for both courses (UNIV 1000 and UNIV 1010). (Fall and Spring)

COMM PR 1840 (48P:091). 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 (48P:179). Cooperative Education — 1-6 hrs. (Variable)

COMM PR 3844/5844 (48P:184g). 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. (Spring)

COMM PR 3855 (48P:173). 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 (48P:197g). 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 (48P:191). 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 (48P:188g). 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. (Fall and Spring)

COMM PR 4822/5822 (48P:170g). 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. (Fall)

COMM PR 4855/5855 (48P:182g). 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 (48P:005); junior standing. (Fall and Spring)

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. (Fall)

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. (Spring)

Computer Science Courses (CS)

CS 1000 (810:021). 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 1010 (810:022). Microcomputer Applications and Systems Integration — 3 hrs.

Emphasis on developing macros and programs, importing and exporting files between applications, solving and implementing applications and problems, and other more advanced topics. Examination of software such as word processing, spreadsheets, and database languages. Prerequisite(s): CS 1000 (810:021) or equivalent. (Fall)

CS 1020 (810:023). Microcomputer Systems — 3 hrs.

Functional description of microcomputer operating systems; commands and utilities, system and file organization, memory and file management, troubleshooting strategies, and networks. Prerequisite(s): CS 1010 (810:022) or any one-semester programming course. (Spring)

CS 1025 (810:025). 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 (810:017). 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 (810:056). 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 (810:030). 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 1140. Programming Environments for Secondary Education — 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 1150. 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. Lecture/discussion, 1 period; lab, 2 periods. Prerequisite(s): TEACHING 2017. (Fall and Spring)

CS 1160 (810:036). 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 1410 (810:041). 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 (810:051). (Fall and Spring)

CS 1510 (810:051). 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 (810:052). Data Structures — 4 hrs.

Introduction to use and implementation of data and file structures such as sets, hash tables, stacks, trees, queues, heaps, and graphs. Basic algorithm analysis. Searching and sorting. Basic object-oriented analysis, design, and modeling tools. Prerequisite(s): CS 1510 (810:051) or department approval. Prerequisite(s) or corequisite(s): CS 1800 (810:080) or department approval. (Fall and Spring)

CS 1800 (810:080). 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 (810:030), CS 1160 (810:036), or CS 1510 (810:051). (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 (810:017) or consent of instructor. (Fall and Spring)

CS 2420 (810:142). 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 (810:041). (Fall)

CS 2530 (810:053). 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 (810:051); CS 1520 (810:052); CS 1800 (810:080); or department approval. (Fall and Spring)

CS 2720 (810:172). 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 (810:052); CS 1800 (810:080). (Fall and Spring)

CS 2880 (810:088). 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 (810:052); CS 1100 (810:017) or COMM 2555 (48C:025). (Variable)

CS 3120/5120 (810:112g). 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 (810:052); CS 1800 (810:080); junior standing. Prerequisite(s) for non-Computer Science majors: junior standing; department approval. (Variable)

CS 3140/5140 (810:114g). 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 (810:052); CS 1800 (810:080); junior standing. (Fall)

CS 3150/5150 (810:115g). 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 (810:052); CS 1800 (810:080); junior standing. (Spring)

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CS 3179 (810:179). 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 (810:143g). 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 (810:041); CS 1520 (810:052); CS 1800 (810:080); junior standing. (Spring)

CS 3470/5470 (810:147g). 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 (810:041); CS 1520 (810:052); CS 1800 (810:080); junior standing. Prerequisites for Department of Technology majors: TECH 1037 (330:037); TECH 2041 (330:041); TECH 2042 (330:042); CS 1160 (810:036). (Fall)

CS 3510 (810:151). 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 (810:052); CS 1800 (810:080). (Spring)

CS 3530 (810:153). 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 (810:052); CS 1800 (810:080). (Variable)

CS 3540 (810:154). 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 (810:052); CS 1800 (810:080); junior standing. (Spring)

CS 3610/5610 (810:161g). Artificial Intelligence — 3-4 hrs.

Models of intelligent behavior and problem solving; knowledge representation and search methods; learning; topics such as knowledge-based systems, language understanding, and vision; optional 1-hour lab to include exploration of one or more additional AI programming techniques such as robotics, symbolic programming, heuristic programming, etc. Prerequisite(s): CS 1520 (810:052); CS 1800 (810:080); junior standing. (Variable)

CS 3650/5650 (810:166g). 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 (810:052) and CS 1800 (810:080); junior standing. (Spring)

CS 3730/5730 (810:173g). Project Management — 1 hr.

Examination of problems of organizing, controlling, managing, and evaluating a software project; software metrics and human input. Prerequisite(s): CS 2530 (810:053); junior standing. (Fall and Spring)

CS 3750/5750 (810:175g). 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 2720 (810:172); junior standing. (Variable)

CS 3810/5810 (810:181g). 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 (810:080); junior standing. (Variable)

CS 4400/5400 (810:140g). 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 (810:147g); junior standing. (Variable)

CS 4410/5410 (810:141g). 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 (810:147g); junior standing. (Variable)

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 (810:041); CS 1520 (810:052); CS 1800 (810:080); CS 3430/5430 (810:143g).

CS 4550/5550 (810:155g). Translation of Programming Languages — 3 hrs.

Introduction to analysis of programming languages and construction of translators. Prerequisite(s): CS 2530 (810:053) and one of the following: CS 3530 (810:153), CS 3540 (810:154), CS 3810/5810 (810:181g); junior standing. Prerequisite(s) or corequisite(s): CS 3730/5730 (810:173g). (Variable)

CS 4620/5620 (810:162g). 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 (810:053); CS 3610/5610 (810:161g) or equivalent; junior standing. Prerequisite(s) or corequisite(s): CS 3730/5730 (810:173g). (Variable)

CS 4740/5740 (810:174g). 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 (810:053); CS 2720 (810:172); junior standing. Prerequisite(s) or corequisite(s): CS 3730/5730 (810:173g). (Fall)

CS 4800 (810:180). Undergraduate Research in Computer Science — 1-3 hrs.

May be repeated for maximum of 6 hours. (Fall and Spring)

CS 4880/5880 (810:188g). 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 (810:052); CS 1800 (810:080); junior standing. (Variable)

CS 6140 (810:214). 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 (810:240). 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 (810:142) or CS 3430/5430 (810:143g). Prerequisite(s) for non-Computer Science majors: proficiency in a high-level programming language; consent of instructor. (Variable)

CS 6500 (810:270). 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 (810:153). (Variable)

CS 6800 (810:280). 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 (810:181g). (Variable)

Counseling Courses (COUN)

Courses

COUN 4103/5103 (290:103g). Introduction to Professional Counseling — 3 hrs.

Introduction to counseling in school (K-12), mental health and community agency settings. Emphasis on professional roles, current trends, and legal/ethical issues. Prerequisite(s): junior standing; consent of department head. (Fall and Spring)

COUN 4105/5105 (290:105g). 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 (290:198). Independent Study — 1-6 hrs.
(Variable)**COUN 6205 (290:205). Counseling Processes with Individuals and Systems — 3 hrs.**

Develops advanced-level counseling skills necessary for clinical practice in mental health settings. Focus on case conceptualization and specific interventions for initiating, sustaining, and terminating

a counseling experience. Extensive skill practice/lab. Prerequisite(s): COUN 4103/5103 (290:103g); COUN 4105/5105 (290:105g) (grade of B or higher); COUN 6227 (290:227) (highly recommended); consent of department head. (Spring)

COUN 6210 (290:210). 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 4103/5103 (290:103g); COUN 4105/5105 (290:105g); consent of department head. (Summer)

COUN 6220 (290:220). 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 4103/5103 (290:103g); COUN 4105/5105 (290:105g); consent of department head. (Fall and Spring)

COUN 6225 (290:225). 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 4103/5103 (290:103g); COUN 4105/5105 (290:105g); consent of department head. (Summer)

COUN 6226 (290:226). Ethics, Supervision, Crisis and Consultation — 3 hrs.

Provides an overview of ethics, the consultation and supervision processes, and crisis response by counseling professionals. Prerequisite(s): COUN 4103/5103 (290:103g); COUN 4105/5105 (290:105g); COUN 6205 (290:205) or COUN 6254 (290:254); consent of department head. (Spring and Summer)

COUN 6227 (290:227). Counseling Theory — 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 4103/5103 (290:103g) and/or COUN 4105/5105 (290:105g). (Fall)

COUN 6228 (290:228). 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 4103/5103 (290:103g); COUN 4105/5105 (290:105g); COUN 6205 (290:205) (highly recommended); consent of department head. (Fall and Spring)

COUN 6241 (290:241). Treatment Procedures in Mental Health Counseling — 3 hrs.

Emphasis on the diagnosis of psychopathology and corresponding treatment procedures. Includes etiology, diagnosis, and treatment of mental and emotional disorders and dysfunctional behavior. Prerequisite(s): COUN 4103/5103 (290:103g); COUN 4105/5105 (290:105g); COUN 6205 (290:205); COUN 6227 (290:227); COUN 6228 (290:228) (highly recommended); PSYCH 3403/5403 (400:142g); consent of department head. (Summer)

COUN 6250 (290:250). Family Counseling — 3 hrs.

Emphasis on a family systems perspective. Includes theoretical foundations, family developmental life cycles, identification of

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functional/dysfunctional family systems, survey of interventions and general process of family counseling. Prerequisite(s): COUN 4103/5103 (290:103g); COUN 4105/5105 (290:105g); COUN 6227 (290:227) (highly recommended); consent of department head. (Fall and Spring)

COUN 6254 (290:254). 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 (290:105g) (grade of B or higher); COUN 6227 (290:227) (highly recommended); consent of department head. (Fall)

COUN 6256 (290:256). 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 4103/5103 (290:103g); COUN 4105/5105 (290:105g); COUN 6227 (290:227); consent of department head. (Spring and Summer)

COUN 6262 (290:262). 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 4103/5103 (290:103g); COUN 4105/5105 (290:105g); consent of department head. (Fall)

COUN 6285 (290:285). Readings in Counseling. (Variable)

COUN 6289 (290:289). Seminar in Counseling. (Variable)

COUN 6290 (290:290). 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 4103/5103 (290:103g); COUN 4105/5105 (290:105g); COUN 6220 (290:220); COUN 6227 (290:227); COUN 6250 (290:250) (recommended); COUN 6254 (290:254) (grade of B or higher); COUN 6262 (290:262) (highly recommended); consent of department head. Prerequisite(s) for Mental Health Counseling: COUN 4103/5103 (290:103g); COUN 4105/5105 (290:105g); COUN 6205 (290:205) (grade of B or higher); COUN 6220 (290:220); COUN 6227 (290:227); COUN 6241 (290:241) (recommended/can take as corequisite); COUN 6250 (290:250) (recommended); PSYCH 3403/5403 (400:142g); consent of department head. (Fall and Spring)

COUN 6291 (290:291). 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 (290:262); COUN 6290 (290:290); consent of department head. Prerequisite(s) for Mental Health

Counseling: COUN 6290 (290:290); consent of department head. (Fall and Spring)

COUN 6299 (290:299). Research.

Prerequisite(s): consent of department. (Variable)

Criminology Courses (CRIM)

Courses

CRIM 2021. Applied Methods and Data Analysis in Criminal Justice — 3 hrs.

This is an introductory research methods and statistical analysis course. Its purpose is to familiarize students with the study design, data collection, operationalization, and statistical analysis of research specific to the criminal justice sciences. Students will engage in elementary descriptive and inferential statistics, bivariate analysis, and some multivariate analysis techniques. They will acquire skills in creating research-based criminal justice projects, perform computer-analysis of data, and prepare a presentation of their findings. Prerequisite(s) or corequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); CRIM 2025 (982:025). (Variable)

CRIM 2022 (982:022). Criminal Justice System — 3 hrs.

Genesis, transformation, and day-to-day operation of criminal justice within our society; emphasis on interrelationships between specific stages in the crime-control process and the differences between U.S. and other criminal justice systems. Prerequisite(s): Prerequisite(s) or corequisite(s): SOC 1000 (980:001). (Fall and Spring)

CRIM 2025 (982:025). Criminology — 3 hrs.

Introduction to the study of criminal behavior, with emphasis on social science approaches. Overview of types of crime, and theories, methods and data used to study crime. Prerequisite(s): Prerequisite(s) or corequisite(s): SOC 1000 (980:001). (Fall and Spring)

CRIM 2112 (982:112). White Collar Crime — 3 hrs.

Examination of theoretical definition, social impact, and changing relationship between current technological advancements and society's ability to both detect and punish white collar criminals. Prerequisite(s): SOC 1000 (980:001); CRIM 2025 (982:025). (Fall)

CRIM 2127 (982:127). 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 (980:001); CRIM 2025 (982:025). (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 2020 (980:080) or STAT 1772 (800:072); sophomore standing. (Fall)

CRIM 2152 (982:152). Crime and Community — 3 hrs.

Exploration of the connection between community characteristics and crime. 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 (982:117). Community Corrections — 3 hrs.

Overview of sanctioning alternatives to imprisonment, including traditional probation and parole practices, as well as intermediate sanctions such as boot camps, electronic monitoring, fines, and intensive supervision. Sentencing will be discussed, as it influences probation/parole populations, as will the duties and responsibilities of

probation and parole officers. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); sophomore standing. (Variable)

CRIM 2220. Communication Ethics for Criminal Justice Professionals — 3 hrs.

This course provides an overview of the purpose, process, policies and procedures in place for both written and verbal communication by the criminal justice professional. Emphasis is placed on the importance of ethical communications in the profession. Prerequisite(s): sophomore standing. (Variable)

CRIM 2232 (982:132). Juvenile Justice — 3 hrs.

Examination of history, philosophies, and structure of juvenile justice system. Discussion of issues confronting legislators, the judiciary, and juvenile justice personnel in context of the need to provide treatment and protection of individual rights and liberty. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); sophomore standing. (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): SOC 1000 (980:001); CRIM 2022 (982:022). (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): SOC 1000 (980:001); CRIM 2022 (982:022). (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): SOC 1000 (980:001); CRIM 2022 (982:022). (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): SOC 1000 (980:001); CRIM 2022 (982:022). (Spring)

CRIM 3130. Readings in Criminology — 1-3 hrs.

Individual readings in criminology. May be repeated with consent of department head. Prerequisite(s): completed nine hours of criminology courses; junior standing; consent of instructor and department head. (Variable)

CRIM 3151 (982:151). Crime and Social Inequality — 3 hrs.

Introduction and review of major issues in the study of race, class, and crime. Examination of recent empirical research on social inequality, crime and the criminal justice system, as well as discussion of the relationship between inequality and criminal justice policy. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); junior standing. (Variable)

CRIM 3179 (982:179). 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 3225. Criminal Court System — 3 hrs.

Designed to provide an analysis of the structure and function of the criminal court system in the U.S. Issues facing the system will be considered from historical and sociological perspectives. Ideals of the system will be compared to actual functioning. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022). (Variable)

CRIM 3226/5226 (982:126g). 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. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); junior standing. (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): CRIM 2022 (982:022) or SOC 1000 (980:001). (Spring)

CRIM 3314. Ethics in Crime, Law and Justice — 3 hrs.

Critical examination of ethical issues related to theoretical and practical issues facing law enforcement, legal, and corrections personnel, civil and criminal laws, medical field, academics, students, consumers, and the general public. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); junior standing. (Variable)

CRIM 3319/5319 (982:119g). 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 4122/5122 (982:122g). 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 (980:001); junior standing. (Spring)

CRIM 4137/5137 (982:137g). 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 (980:001); CRIM 2025 (982:025); junior standing. (Spring)

CRIM 4198 (982:198). Independent Study — 1-3 hrs.

May be repeated with department head approval. Prerequisite(s): consent of instructor and department head. (Variable)

Course Descriptions

CRIM 4216/5216 (982:116g). 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. Alternatives to rehabilitative ideal; students are expected to develop other treatment models. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022) or CRIM 2025 (982:025); junior standing. (Fall)

CRIM 4224/5224 (982:124g). Police and Society — 3 hrs.

Sociological investigation of evolution and structure of policing in United States society, with special attention to conflicts and imperatives which define police officers' roles and character of police work. Prerequisite(s): SOC 1000 (980:001); junior standing. (Spring)

CRIM 4228/5228 (982:128g). Law and Society — 3 hrs.

Sociological analysis of judicial and jury decision making, legal structures, legislation, power, beliefs, conflict, and social change. Examination of criminal, civil, and public law. Prerequisite(s): SOC 1000 (980:001); junior standing. (Fall)

CRIM 4253/5253 (982:153g). 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 (980:001); CRIM 2022 (982:022); junior standing. (Fall)

CRIM 4323/5323 (982:123g). 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 (980:001); junior standing. (Spring)

CRIM 4331/5331 (982:131g). 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 (980:001); junior standing. (Fall)

CRIM 4369/5369 (982:169g). Drugs, Crime, and Society — 3 hrs.

Examination of the relationship between crime and drugs in America. Covers the social and political history of drug use and control, the drug war, the lives of drug addicts, drug treatment policies, and possible revisions to America's drug laws. Prerequisite(s): SOC 1000 (980:001); junior standing. (Fall and Spring)

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 (980:001); CRIM 2022 (982:022); Junior Standing. (Variable)

CRIM 4381/5381 (982:181g). 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 (980:001); CRIM 2025 (982:025); junior standing. (Variable)

CRIM 4391. Topics in Applied Criminal Justice — 3 hrs.

Topics courses in applied criminal justice focus on issues relating to on-the-job tasks of someone working in the Criminal Justice field. These would include professional development, advanced interviewing skills, special investigation, defensive tactics, and the like. Topic listed in Schedule of Classes. May be repeated for maximum of 6 hours. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); junior standing. (Variable)

CRIM 4485 (982:185). Criminology Internship — 1-6 hrs.

Experiential learning through internship placement in a criminological or criminal justice related agency or position. May be repeated for a maximum of six hours. A maximum of four credit hours may count toward the Criminology major. Students at freshman or sophomore standing may be considered for a 1-hour career exploration internship without completing the prerequisites. Requires prior consultation with instructor. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); CRIM 2025 (982:025); major GPA of 2.80 or higher; junior standing; consent of instructor and department head. (Fall, Spring, Summer)

CRIM 4575 (982:175). Senior Seminar in Criminology — 3 hrs.

Designed for students nearing graduation. Offers an integration of the major concepts, theories, public policies, and components presented within the field of criminology. Prepares students for careers and the job market. Prerequisite(s): Criminology major only; senior standing or consent of instructor. (Fall and Spring)

CRIM 4585. Practical Field Experience — 1-4 hrs.

Designed for students currently working in the criminal justice system or a field directly related to the system. Provides an opportunity for students to apply academic material to their current jobs in the criminal justice or related field. Prerequisite(s): SOC 1000 (980:001); CRIM 2022 (982:022); CRIM 2025 (982:025); junior standing; consent of Criminology Internship Coordinator and Department Head. (Fall, Spring, Summer)

CRIM 6285 (982:285). Readings in Criminology — 1-3 hrs.

May be repeated for credit. Prerequisite(s): consent of instructor and department head. (Variable)

CRIM 6299 (982:299). Research.

Prerequisite(s): consent of instructor and department head. (Variable)

Earth Science Courses (EARTHSCI)

Courses

EARTHSCI 1100 (870:010). Astronomy — 3-4 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. Discussion, 3 periods; lab, 2 periods. Also offered as a 3-hour course without lab. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall, Spring, Summer)

EARTHSCI 1110 (870:011). Astronomy Laboratory — 1 hr.

Exploration of astronomical phenomena through the use of telescopes, charts, almanacs, computer simulations, and other laboratory equipment. Students will gain experience in methods of observing the night sky and become familiar with celestial objects. Lab, 2 periods. Prerequisite(s): consent of instructor. Prerequisite(s) or corequisite(s): EARTHSCI 1100 (870:010). (Fall, Spring, Summer)

EARTHSCI 1200 (870:021). 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. Discussion, 3 periods. No credit for those who have completed EARTHSCI 3210/5210 (870:121g). Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall, Spring, Summer)

EARTHSCI 1210 (870:022). 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. Lab, 2 periods. Prerequisite(s) or corequisite(s): EARTHSCI 1200 (870:021). (Fall and Spring)

EARTHSCI 1300 (870:031). 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. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

EARTHSCI 1320 (870:035). 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 (870:031) or equivalent. (Fall and Spring)

EARTHSCI 1400. Introduction to Environmental Earth Science — 3 hrs.

Introduction to the physical, biological, 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. Prerequisite(s): Students must have satisfied university entrance requirements in English and Mathematics. (Fall)

EARTHSCI 1410 (870:037). Field Studies in _____ — 1-4 hrs.

Field studies in various areas of Earth Science: geology, oceanography, paleontology, meteorology, and astronomy. To be preceded 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 (870:109g). Fundamentals of Astronomy — 4 hrs.

Basic principles of astronomy intended primarily for in-service teachers. No credit for students with credit in EARTHSCI 1100 (870:010) or its equivalent. Prerequisite(s): junior standing; consent of department head. (Fall, Spring, Summer)

EARTHSCI 3110/5110 (870:154g). 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 (870:010) (4 semester hours) or equivalent; junior standing. (Fall)

EARTHSCI 3120 (870:151). Planets — 2 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, 2 periods. Prerequisite(s): EARTHSCI 1100 (870:010) or equivalent. (Variable)

EARTHSCI 3130 (870:152). Stars — 2 hrs.

Study of structure and the evolution of stars; the Sun, protostars, red giants, white dwarfs, variable stars, supernovae, pulsars, and black holes. Discussion, 2 periods. Prerequisite(s): EARTHSCI 1100 (870:010) or equivalent. (Variable)

EARTHSCI 3140 (870:153). Galaxies and Cosmology — 2 hrs.

Study of the Milky Way Galaxy and other galaxies. Examination of active galaxies and radio galaxies, galaxy clusters, quasars, and galactic black holes. Discussion of the structure, origin, evolution, and fate of the Universe. Discussion, 2 periods. Prerequisite(s): EARTHSCI 1100 (870:010) or equivalent. (Variable)

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 (870:111g). 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 (870:121g). 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 (870:021); junior standing. (Spring)

EARTHSCI 3220/5220 (870:122g). 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 3210/5210 (870:121g); junior standing. (Variable)

EARTHSCI 3230/5230 (870:123g). 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 (870:021); junior standing. (Fall)

EARTHSCI 3240/5240 (870:124g). 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 (870:021); junior standing. (Spring)

EARTHSCI 3250/5250 (870:177g). 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 (870:021); junior standing. Prerequisite(s) or corequisite(s): EARTHSCI 3230/5230 (870:123g). (Fall)

Course Descriptions

EARTHSCI 3300/5300 (870:128g). 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 3310/5310 (870:129g). Structural Geology — 4 hrs.

Origins and mechanics of rock deformation. Plate tectonics and the deformation of Earth's crust. Field trip. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): EARTHSCI 1300 (870:031); EARTHSCI 1320 (870:035); junior standing. (Even Springs)

EARTHSCI 3315 (870:117). Earthquakes and Tsunamis — 2 hrs.

Study of the causes, measurements, prediction, and preparation for earthquakes and tsunamis and the effects of earthquakes and tsunamis on civilization. Discussion, 1 period; lab, 2 periods. Prerequisite(s): Student must have satisfied university entrance requirements in English and Mathematics. (Variable)

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 (870:031). (Spring)

EARTHSCI 3325/5325 (870:136g). 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 (870:035). (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 (870:031) or GEOG 1210 (970:026); EARTHSCI 1320 (870:035) or permission of the instructor; junior standing. (Variable)

EARTHSCI 3328 (870:125). Fossils and Evolution — 4 hrs.

Topics in paleontology, including fossil preservation, systematics, functional morphology, paleoecology, paleobiogeography, and biostratigraphy, with special emphasis on mass extinctions and the role of paleontology in reconstructing evolutionary history. Laboratory studies of major groups of fossil invertebrates. Discussion, 3 periods; lab, 3 periods. (Variable)

EARTHSCI 3330/5330 (870:141g). 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 (870:031) or GEOG 1210 (970:026); junior standing. (Fall)

EARTHSCI 3340/5340 (870:165g). 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 (870:031) or equivalent; junior standing. (Variable)

EARTHSCI 3345/5345 (870:171g). 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 (870:031) or equivalent; junior standing. (Odd Falls)

EARTHSCI 3350/5350 (870:173g). 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 (870:031); junior standing. (Even Springs)

EARTHSCI 3355/5355 (870:175g). 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 (870:031); 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 3400/5400 (870:113g). Topics in Earth 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, 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 (870:137g). Field Studies in _____ — 1-4 hrs.

Field studies in various areas of Earth Science including geology, oceanography, paleontology, meteorology, and astronomy. To be 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): an EARTHSCI 3000/4000-level (870:1xx) course appropriate to the specific field studies and approved by department head; junior standing; consent of instructor. (Variable)

EARTHSCI 3420/5420 (870:189g). Readings in Earth Science — 1-3 hrs.

Maximum of 3 hours may be applied to earth science or geology majors or minors. Prerequisite(s): junior standing; consent of instructor and department head. (Variable)

EARTHSCI 3430 (870:195). 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 (870:181). 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 (820:033). (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 (880:130), PHYSICS 1702 (880:131), MATH 1420 (800:060), MATH 1421 (800:061), Junior Standing. (Even Springs)

EARTHSCI 4400 (870:180). Undergraduate Research in Earth Science — 1-3 hrs.

Research activities under direct supervision of Earth 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 (870:297). Practicum.

(Variable)

EARTHSCI 6299 (870:299). Research.

Prerequisite(s): consent of department. (Variable)

Economics Courses (ECON)

Courses

ECON 1011 (920:070). 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 (800:072) or equivalent. (Fall, Spring, Summer)

ECON 1021 (920:020). 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 (800:072) or equivalent. (Fall, Spring, Summer)

ECON 1031 (920:024). Introduction to Economics — 3 hrs.

Overview of economics, including how a market system functions and how national income, output, and employment are determined. Primary focus (though not exclusively) on U.S. economy. No credit for students who have credit or are concurrently enrolled in ECON 1041 (920:053) or ECON 1051 (920:054). May not be used for credit on major or minor. (Fall, Spring, Summer)

ECON 1041 (920:053). 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, Spring, Summer)

ECON 1051 (920:054). 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): ECON 1041 (920:053). (Fall, Spring, Summer)

ECON 2112 (920:104). 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 (920:053); ECON 1051 (920:054). (Fall and Spring)

ECON 2122 (920:103). 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 (920:053); ECON 1051 (920:054). (Fall and Spring)

ECON 2132 (920:113). Money and Banking — 3 hrs.

Money, commercial banking, the Federal Reserve System, and monetary policy. Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054). (Fall and Spring)

ECON 3077 (920:177). Internship in Community Economic Development — 1-3 hrs.

Practical experience in a business, industry, or government agency. May be repeated for maximum of 3 hours. Does not count toward the Economics major. Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); ECON 3229/5229 (920:125g); ECON 3253/5253 (920:148g); junior standing or consent of department head. (Fall, Spring, Summer)

ECON 3179 (920:179). 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 (920:103); ECON 2112 (920:104); cumulative UNI GPA of 3.00 or higher required prior to application; consent of department head. (Fall, Spring, Summer)

ECON 3217/5217 (920:116g). 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 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3221/5221 (920:117g). Public Finance — 3 hrs.

Taxation and government expenditures; fiscal policy. Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3225/5225 (920:123g). 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.

Course Descriptions

Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3229/5229 (920:125g). 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 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3231/5231 (920:128g). 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 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3237/5237 (920:131g). 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 (920:053); ECON 1051 (920:054); or consent of instructor; junior standing. (Variable)

ECON 3241/5241 (920:135g). The Organization of American Industry — 3 hrs.

Structure, conduct, and performance of firms, industries, and market. Policies to maintain competition. Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3245/5245 (920:136g). International Economics — 3 hrs.

International trade theory, trade strategies, economic unions, and factor movements. Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3249/5249 (920:143g). Economic Development — 3 hrs.

Characteristics of developing nations, causes of underdevelopment, development theories, and development strategies. Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3253/5253 (920:148g). 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 (920:053) and ECON 1051 (920:054), or consent of instructor; junior standing. (Variable)

ECON 3257/5257 (920:170g). 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 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3261/5261 (920:175g). International Financial Economics — 3 hrs.

International financial theories and analysis of balance of payments, alternative exchange rate regimes, and capital movements.

Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); junior standing. (Variable)

ECON 3269/5269 (920:168g). Mathematical Economics — 3 hrs.

Application of mathematics to economics with an emphasis on matrices and introductory calculus. Prerequisite(s): ECON 1041 (920:053) and ECON 1051 (920:054), or consent of instructor; junior standing. (Variable)

ECON 3373/5373 (920:169g). 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 (800:072); ECON 1041 (920:053) and ECON 1051 (920:054), or consent of instructor; junior standing. (Fall)

ECON 4380/5380 (920:181g). Directed Research in Economics — 3 hrs.

Students demonstrate their grasp of economic theory and their writing abilities. Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); ECON 2112 (920:104); ECON 2122 (920:103); senior standing; Economics major. (Spring)

ECON 6285 (920:285). Individual Readings — 1-3 hrs.

Prerequisite(s): consent of MBA Director and department head. (Fall, Spring, Summer)

ECON 6299 (920:299). Research — 1-6 hrs.

Prerequisite(s): consent of MBA Director and department head. (Fall, Spring, Summer)

ECON 6520 (920:260). Managerial Economics — 3 hrs.

Application of economic theory and methods to business and administrative decision making. Prerequisite(s): ECON 1031 (920:024) or equivalent; consent of MBA Director. (Fall)

Education, Interdepartmental Courses (INTDEPED)

Courses

INTDEPED 7301 (190:301). 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 (190:303). 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 (250:205) 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. (Spring)

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 (250:205) 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. (Fall)

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 (190:303). (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 (190:303). (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 (190:303). (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. In-depth 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 (190:303) (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 (190:389). 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 (190:399). Dissertation Research.

Credit/no credit only. Initial enrollment requires attendance at doctoral research seminar. (Fall and Spring)

Educational Leadership Courses (EDLEAD)

Courses

EDLEAD 4198 (270:198). 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 (270:206). Orientation to ISSL and Educational Leadership — 2 hrs.

Orientation to the study and practice of school leadership, the Iowa Standards for School Leaders (ISSL), current and historical trends impacting school and the principalship, and philosophical perspectives impacting school leadership. Corequisite(s): EDLEAD 6247 (270:247). (Fall)

EDLEAD 6210. Culturally Relevant Teaching & Leading — 3 hrs.

Examine the practical implications of culturally relevant teaching practices with particular attention to curriculum design and implementation for global citizens. Prerequisite(s): Admission to the M.A. Major in Teacher Leadership for International Educators. (Variable)

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 (270:206); EDLEAD 6247 (270:247); or consent of instructor. (Variable)

EDLEAD 6232 (270:232). 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 (270:206); EDLEAD 6245 (270:245). (Variable)

Course Descriptions

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 (270:206); EDLEAD 6247 (270:247); 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 (270:245). Leadership for Effective Schools — 3 hrs.

Study of contemporary leadership, change, and staff development in school organizations. (Variable)

EDLEAD 6247 (270:247). 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 (270:206). (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. Prerequisite(s): admission to the M.A. Major in Teacher Leadership for International Educators. (Variable)

EDLEAD 6249 (270:249). 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. Prerequisite(s): admitted to the M.A. Major in Teacher Leadership for International Educators. (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 6282 (270:282). Leading School Growth and Improvement — 2 hrs.

Study of the teacher leader's role in leading school growth and improvement and the change process. Prerequisite(s): admitted to

the M.A. Major in Teacher Leadership for International Educators. (Variable)

EDLEAD 6284 (270:284). 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. Prerequisite(s): admitted to the M.A. Major in Teacher Leadership for International Educators. (Variable)

EDLEAD 6285 (270:285). Readings in Educational Leadership.

Prerequisite(s): written consent of instructor. (Variable)

EDLEAD 6289 (270:289). Seminar in Educational Leadership.

Seminars offered on special topics as indicated in the Schedule of Classes. (Variable)

EDLEAD 6291 (270:291). 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. Prerequisite(s): admitted to the M.A. Major in Teacher Leadership for International Educators or M.A.E. Major in Principalship. (Variable)

EDLEAD 6292 (270:292). Capstone ISSL — 1 hr.

Final work project that demonstrates application and synthesizes the Iowa Standards for School Leaders (ISSL). Prerequisite(s): EDLEAD 6206 (270:206); EDLEAD 6247 (270:247); or consent of instructor. (Variable)

EDLEAD 6294. Capstone TLMS — 1 hr.

(Tailored for teacher leaders in American international schools)
Culminating activities that demonstrate application and synthesize the 7 Teacher Leader Model Standards Prerequisite(s): Admission to the M.A. Major in Teacher Leadership for International Educators. (Variable)

EDLEAD 6299 (270:299). Research.

Prerequisite(s): consent of department. (Variable)

EDLEAD 7310 (270:310). Human Resource Administration — 3 hrs.

Teacher selection and placement, promotion, tenure, collective bargaining and retirement; administration of pupil personnel facilitating services. (Variable)

EDLEAD 7311 (270:311). 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 POSTSEC 7311 (170:311)) (Variable)

EDLEAD 7315 (270:315). 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 (270:318). 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 (270:319). 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 (270:340). 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 (270:346). 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 (270:340); master's degree in Educational Leadership or the Principalship certification. (Variable)

EDLEAD 7385 (270:385). 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 (270:389). 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 (270:391). 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 (270:397). 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 (200:030). 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 (200:030) or equivalent or consent of instructor. (Fall, Spring, Summer)

EDPSYCH 3148 (200:148). 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 (200:030); 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 (200:116g). 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 (200:030) or equivalent; junior standing. (Variable)

EDPSYCH 4118/5118 (200:118g). 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 (200:030) or equivalent; junior standing. (Variable)

EDPSYCH 4140/5140 (200:140g). 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 (200:151g). 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 (200:030); EDPSYCH 3148 (200:148); or equivalents; junior standing. (Variable)

EDPSYCH 4152/5152 (200:152g). 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)

Course Descriptions

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. (Fall or Spring)

EDPSYCH 4176/5176 (200:176g). 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 (200:180g). 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 (200:188g). 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 (200:198). 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 (200:214). Foundations of Instructional Psychology — 3 hrs.

Study of factors involved in designing and implementing effective instructional environments. (Fall, Spring, Summer)

EDPSYCH 6224 (200:224). 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 (200:235). 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 (200:116g). (Variable)

EDPSYCH 6240 (200:240). 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 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 (200:280). 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 (200:285). 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 (200:289). Seminar in Education and Psychology — 1-6 hrs.

May be repeated for credit. Prerequisite(s): consent of instructor. (Variable)

EDPSYCH 6290 (200:290). 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 (200:291). Internship in School Psychology — 1-6 hrs.

Supervised off-campus field experience. May be repeated for maximum 6 hours. (Fall and Spring)

EDPSYCH 6299 (200:299). Research.

Prerequisite(s): consent of department. (Fall and Spring)

Elementary, Early Childhood and Middle Level Education Courses (ELEMECML)

Courses

ELEMECML 3120 (210:120). Classroom Management K-8 — 3 hrs.

Focus on skills needed to plan, organize, manage, implement, and evaluate appropriate instruction in the elementary classroom. Prerequisite(s): ELEMECML 4150 (210:152g); 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, Spring, Summer)

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 3161 (210:161). 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 (210:152g) or ELEMECML 4151/5151 (210:151g); 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, Spring, Summer)

ELEMECML 3164 (210:164). 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 (210:152g) or ELEMECML 4151/5151 (210:151g); 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, Spring, Summer)

ELEMECML 4121/5121 (210:121g). 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 20 hours field experience. Prerequisite(s) or corequisite(s): EDPSYCH 3109, EDPSYCH 3148 (200:148), 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 (210:123g). 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, Spring, Summer)

ELEMECML 4130/5130 (210:130g). 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 early childhood programs. Prerequisite(s): ELEMECML 4151/5151 (210:151g); junior standing. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Corequisite(s): ELEMECML 4192/5192 (210:192g). (Fall and Spring)

ELEMECML 4135/5135 (210:135g). 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 (200:148); EDPSYCH 4152/5152 (200:152g); junior standing. Prerequisite(s) or corequisite(s): ELEMECML 4152/5152 (210:150g) 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 (210:141g). 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 (210:142g). 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 (210:143g). 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 (210:164); junior standing. Registration requires full admission to the Teacher Education Program. (Fall)

ELEMECML 4150 (210:152g). 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 (210:151g). Early Childhood Curriculum Development and Organization — 3 hrs.

Current trends in curriculum for preschool and primary children. Includes a 15 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 (200:148); TEACHING 3128. (Fall and Spring)

Course Descriptions

ELEMECML 4152/5152 (210:150g). 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 4160/5160. Administration of Programs in Early Childhood — 1 hr.

Overview of knowledge and skills necessary for designing, planning, implementing, assessing, managing, and leading integrated, 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 a cumulative and UNI GPA of 2.50 or higher to enroll in this course; junior standing. (Fall and Spring)

ELEMECML 4192/5192 (210:192g). Experience — 2-4 hrs.

May be offered in various specialized fields as indicated in Schedule of Classes, but may be taken only twice for credit in the same area. Prerequisite(s): ELEMECML 4121/5121 (210:121g); junior standing; must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Corequisite(s): ELEMECML 4130/5130 (210:130g). (Fall and Spring)

ELEMECML 6201 (210:201). 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. Prerequisite(s): ELEMECML 6201 (210:201). (Variable)

ELEMECML 6214 (210:214). 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 (210:151g) or equivalent. (Variable)

ELEMECML 6221 (210:221). 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. Prerequisite(s): ELEMECML 6201 (210:201). (Variable)

ELEMECML 6242 (210:242). 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 (210:243). 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 (210:143g) or ELEMECML 4150 (210:152g) or consent of department. (Variable)

ELEMECML 6285 (210:285). Readings in Education — 1-3 hrs. (Fall, Spring, Summer)

ELEMECML 6289 (210:289). 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 (210:297). Practicum — 2-3 hrs. (Fall, Spring, Summer)

ELEMECML 6299 (210:299). Research — 1-6 hrs.
Prerequisite(s): consent of department. (Fall, Spring, Summer)

ELEMECML 7352 (210:352). 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 (210:354). Curriculum Implementation and Evaluation — 3 hrs.

Exploration of systems for program evaluation and revision and the dynamics of change processes. (Variable)

ELEMECML 7389 (210:389). 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 (210:397). 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 (210:352); and consent of instructor. (Fall, Spring, Summer)

English Language and Literature Courses (ENGLISH)

Courses

ENGLISH 1002 (620:002). College Writing Basics — 3 hrs.

Prepares students with limited writing experience for ENGLISH 1005 (620:005); 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. May be used to help satisfy UNI's high school English admissions requirement. (Variable)

ENGLISH 1005 (620:005). 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 (620:002) 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. Satisfies the Liberal Arts Core writing and reading requirement. No credit if prior credit in ENGLISH 2015 (620:015) or ENGLISH 2120 (620:034). Prerequisite(s): UNI's high school English admissions requirement. (Fall and Spring)

ENGLISH 1120 (620:031). 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. An option in the Liberal Arts Core; credit earned does not apply to departmental majors or minors unless specifically permitted. (Fall and Spring)

ENGLISH 2015 (620:015). Craft of Academic Writing — 3 hrs.

Strategies of scholarly research and writing: devising research problems, finding and evaluating credible sources, writing and revising convincing academic arguments. Satisfies the Liberal Arts Core writing and reading requirement. Prerequisite(s): combined ACT English and Reading scores of 54 or above, or LAC Category 1A or its equivalent, or consent of department. (Variable)

ENGLISH 2120 (620:034). 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. Prerequisite(s): combined ACT English and Reading scores of 54 or above, or LAC Category 1A or its equivalent. (Fall and Spring)

ENGLISH 2320 (620:042). 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. Prerequisite(s) or corequisite(s): ENGLISH 2120 (620:034). (Fall and Spring)

ENGLISH 2340 (620:043). Survey of English Literature II: Romanticism 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. Prerequisite(s) or corequisite(s): ENGLISH 2120 (620:034). (Fall and Spring)

ENGLISH 2420 (620:053). 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. Prerequisite(s) or corequisite(s): ENGLISH 2120 (620:034). (Fall and Spring)

ENGLISH 2520 (620:040). 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. Prerequisite(s): LAC Category 1A or its equivalent. (Fall and Spring)

ENGLISH 2650 (620:035). 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 (620:077). Introduction to Professional Writing — 3 hrs.

Emphasis on writing in professional settings: attention to the history of the professional communication discipline, workplace communication responsibilities affecting a variety of audiences, theoretical perspectives, and lab experiences with industry-standard technologies. Prerequisite(s) or corequisite(s): LAC Category 1A or its equivalent. (Fall and Spring)

Course Descriptions

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. Prerequisite(s): junior standing. [Same as CAP 3148 (CAP:148)] (Variable)

ENGLISH 3710/5710. Craft of Creative Nonfiction — 3 hrs.

Written exercises in forms, patterns, and techniques in creative nonfiction. 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 (620:034) or ENGLISH 2700; junior standing. (Fall and Spring)

ENGLISH 3715/5715. Craft of Poetry — 3 hrs.

Written exercises in forms, patterns, and techniques of poetry. Readings in poetry, including 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 ENGLISH 2715 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 ENGLISH 2725 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 (620:005); 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 (620:005); junior standing. (Variable)

ENGLISH 4025/5025 (620:163g). Theory and Practice of Writing — 3 hrs.

Detailed examination and application of major theories of writing: formal, cognitive, social, expressive, rhetorical, and contextual. Prerequisite(s): LAC Category 1A or its equivalent; junior standing. (Variable)

ENGLISH 4040/5040 (620:164g). Digital Writing: Theory and Practice — 3 hrs.

Rhetorical analysis and reflective practice related to digitally mediated texts; using new media as tools for textual composing; considering how digital communication shapes verbal genres, critical approaches, and the processes and aims of writing. Prerequisite(s): LAC Category 1A or its equivalent or consent of instructor; 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4120/5120 (620:128g). Images of Women in Literature — 3 hrs.

Images, symbols, and myths of women in literature; feminist criticism. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4140/5140 (620:161g). Literary Criticism — 3 hrs.

Important modern and traditional critical positions and their application to imaginative literature. Prerequisite(s): ENGLISH 2120 (620:034) 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 (620:150g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4190/5190 (620:188g). Seminar in Literature: _____ — 3 hrs.

Topic listed in Schedule of Classes. May be repeated for credit on different topics. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4198 (620:198). Independent Study. (Fall and Spring)

ENGLISH 4310/5310 (620:110g). 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 (620:113g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4320/5320 (620:116g). English Renaissance — 3 hrs.

Non-dramatic literature of the English Renaissance, 1485-1660.

Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4325/5325 (620:117g). 18th-Century British Literature — 3 hrs.

Major writers of satire, verse, and prose including Dryden, Swift, Pope, and Johnson. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4330/5330 (620:118g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4335/5335 (620:119g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4340/5340 (620:156g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4345/5345 (620:120g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4370/5370 (620:144g). Chaucer — 3 hrs.

Poetry of Chaucer; may include other medieval writers.

Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4375/5375 (620:148g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4380/5380 (620:147g). Milton — 3 hrs.

Milton's major English poetry and prose. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4410/5410 (620:151g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4420/5420 (620:121g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4425/5425 (620:123g). American Realism and Naturalism to WWI — 3 hrs.

Literary selections 1870 to World War I; emphasis on fiction.

Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4430/5430 (620:153g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4445/5445 (620:124g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4540/5540 (620:157g). 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 (620:034) or ENGLISH 2520 (620:040) or consent of instructor; junior standing. (Variable)

ENGLISH 4560/5560 (620:158g). 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 (620:034) or ENGLISH 2520 (620:040) or consent of instructor; junior standing. (Variable)

ENGLISH 4577 (620:187). 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. Prerequisite(s): junior standing. (Same as CAP 3187 (CAP:187)) (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 (620:034); junior standing. (Variable)

ENGLISH 4602/5602 (620:134g). Modern/Postmodern Poetry — 3 hrs.

Study of 20th-century poetry written in English. May focus intensively on poetry written during the period from 1914 through World War II

Course Descriptions

or the period from 1945 to the present. Specific topic may be listed in semester Schedule of Classes. May be repeated for credit on different topics. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4615/5615 (620:115g). Modern Drama — 3 hrs.

Twentieth-century American, British, and European drama; may include drama from other cultures. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4632/5632 (620:172g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4652/5652 (620:139g). 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 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4660/5660 (620:142g). 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 (620:034) or ENGLISH 2650 (620:035) or consent of instructor; junior standing. (Variable)

ENGLISH 4664/5664 (620:182g). 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 (620:034) or ENGLISH 2650 (620:035) or consent of instructor; junior standing. (Variable)

ENGLISH 4672/5672 (620:170g). 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 (48C:025) or ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4688/5688 (620:126g). Genre Seminar: _____ — 3 hrs.

Intensive study of a genre - for example, novella, long poem, memoir, short fiction, satire, science fiction. May include attention to the genre's history, representative texts, and/or relevant literary theory. May be repeated for credit on different topics. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

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 (620:174g). 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 (620:175g). 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 4765/5765 (620:102g). 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 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing. (Variable)

ENGLISH 4770/5770 (620:104g). 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): MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing. (Variable)

ENGLISH 4775/5775 (620:105g). Applied Writing: Technical Communication — 3 hrs.

Examining and designing instructions and other technical documents generated in workplace settings; practicing print and digital composing techniques specific to these documents; crafting and managing usability tests of professional texts. Prerequisite(s): MGMT 2080 (150:080) or ENGLISH 2770 (620:077) or consent of instructor; junior standing. (Variable)

ENGLISH 4780/5780 (620:107g). 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): ENGLISH 2770 (620:077) or consent of instructor; junior standing. (Variable)

ENGLISH 4785/5785 (620:177g). 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): ENGLISH 2770 (620:077) and one of the following: INSTTECH 4170/5170 (240:170g) or ART 3030 (600:125) or ENGLISH 4765/5765 (620:102g) or ENGLISH 4770/5770 (620:104g) or ENGLISH 4775/5775 (620:105g) or ENGLISH 4780/5780 (620:107g) or consent of instructor; junior standing. (Variable)

ENGLISH 4790/5790 (620:197g). 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 (for example--Literary Journal Editing, Software Manuals, Grant Writing). May be repeated for maximum of 6 hours. Prerequisite(s): Junior standing. (Variable)

ENGLISH 4920/5920 (620:193g). 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): LAC Category 1A or its equivalent or consent of instructor; junior standing. (Fall and Spring)

ENGLISH 4940/5940 (620:165g). Literature for Young Adults — 3 hrs.

Reading and evaluation of literature suitable for adolescents. Prerequisite(s): junior standing. (Fall, Spring, Summer)

ENGLISH 4980/5980 (620:190g). 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 (200:148); MEASRES 3150 (250:150); junior standing. (Fall and Spring)

ENGLISH 4990/5990 (620:195g). 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 (620:201). Introduction to 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 (620:204). 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 (620:201). (Variable)

ENGLISH 6120 (620:206). 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 (620:201) or WGS 6289 (680:289) or consent of instructor. (Variable)

ENGLISH 6140 (620:208). 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 (620:201). (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 (620:284). 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 (620:201). (Variable)

ENGLISH 6299 (620:299). Research.

Prerequisite(s): consent of department. Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Fall, Spring, Summer)

ENGLISH 6310 (620:220). 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 (620:201). (Variable)

ENGLISH 6320 (620:221). English Renaissance Literature — 3 hrs.

(1485-1660). Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6330 (620:223). Restoration and 18th Century English Literature — 3 hrs.

(1660-1798). Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (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 (620:201). (Variable)

ENGLISH 6350 (620:226). Modern English Literature — 3 hrs.

(1900-1945). Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6420 (620:231). 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 (620:201). (Variable)

ENGLISH 6430 (620:232). 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 (620:201). (Variable)

ENGLISH 6450 (620:234). Modern American Literature — 3 hrs.

(1912-1945). Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6540 (620:260). 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 (620:201). (Variable)

Course Descriptions

ENGLISH 6720 (620:270). 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 (620:201). (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 (620:291). Seminar in the Teaching of English — 3 hrs.

Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

Environmental Science Courses (ENV SCI)

Courses

ENV SCI 4195 (830:195). 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)

ENV SCI 4665/5665 (830:165g). 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. (Same as HPE 4665/5665 (410:165g)) (Fall and Spring)

ENV SCI 4666/5666 (830:166g). 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. (Same as HPE 4666/5666 (410:166g)) (Odd Springs)

ENV SCI 6200 (830:200). Environmental Biology — 3 hrs.

Advanced topics in physiological ecology, community ecology, environmental microbiology, ecological genetics, bioenergetics, and biodiversity. (Odd Falls)

ENV SCI 6235 (830:235). Topics in Environmental Chemistry — 3 hrs.

Advanced topics in chemistry for environmental science and technology. Topics include water, air, and geochemistry; environmental chemistry, measurement techniques, and chemical ecology. (Odd Springs)

ENV SCI 6250 (830:250). Global Systems — 3 hrs.

Advanced topics in global systems for environmental science and technology. Topics include surface and groundwater hydrology, meteorology, atmospheric physics, and oceanography to gain an

understanding of physical and geological processes that influence and are influenced by earth's biosphere. (Even Falls)

ENV SCI 6285 (830:285). Readings in Environmental Science/Health — 1-10 hrs.

Independent readings in environmental science/technology from selected list approved in advance. May be repeated for maximum of 10 hours. Prerequisite(s): consent of department head. (Fall, Spring, Summer)

ENV SCI 6289 (830:289). Environmental Science/Health Seminar — 1 hr.

Current topics in environmental science/health. Students will present one seminar per year. May be repeated for maximum of 3 hours. Prerequisite(s): must be currently enrolled in Environmental Science graduate program. (Fall and Spring)

ENV SCI 6299 (830:299). Research — 1-9 hrs.

May be repeated for maximum of 9 hours. Prerequisite(s): must be currently enrolled in Environmental Science graduate program; consent of department. (Fall, Spring, Summer)

Europe Since ca. 1700 Courses (HISEUB)

Courses

HISEUB 4510/5510 (963:155g). 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. Prerequisite(s): junior standing. (Variable)

HISEUB 4520/5520 (963:160g). 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. Prerequisite(s): junior standing. (Variable)

HISEUB 4610/5610 (963:165g). 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. Prerequisite(s): junior standing. (Odd Springs)

HISEUB 4620/5620 (963:174g). History of Modern France — 3 hrs.

Survey of cultural, economic, and political history of France from the 19th century to the present. Prerequisite(s): junior standing. (Even Springs)

HISEUB 4630/5630 (963:172g). History of Germany Since 1648 — 3 hrs.

Political, social, economic, and cultural developments of Germany since the Peace of Westphalia, with emphasis on 19th and 20th centuries. Prerequisite(s): junior standing. (Variable)

HISEUB 4640/5640 (963:153g). 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. Prerequisite(s): junior standing. (Variable)

HISEUB 4650/5650 (963:188g). 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. Prerequisite(s): junior standing. (Variable)

HISEUB 4660/5660 (963:169g). History of Imperial Russia — 3 hrs.

Political, social, economic, and cultural aspects of Russia with emphasis on 19th century. Prerequisite(s): junior standing. (Even Falls)

HISEUB 4670/5670 (963:170g). History of Soviet Russia — 3 hrs.

Political, social, economic, and cultural developments of Russia in 20th century, emphasis on ideology. Prerequisite(s): junior standing. (Even Springs)

HISEUB 4675/5675 (963:157g). Great Power Diplomacy from the Congress of Vienna to the Present — 3 hrs.

International diplomacy from 1815 with emphasis on 20th century. Prerequisite(s): junior standing. (Even Falls)

HISEUB 4680/5680 (963:154g). 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. Prerequisite(s): junior standing. (Spring)

HISEUB 4690/5690 (963:161g). 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. Prerequisite(s): junior standing. (Spring)

Europe to ca. 1700 Courses (HISEUA)

Courses

HISEUA 4310/5310 (962:101g). 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. Prerequisite(s): junior standing. (Odd Falls)

HISEUA 4320/5320 (962:103g). 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. Prerequisite(s): junior standing. (Even Springs)

HISEUA 4330/5330 (962:123g). 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. Prerequisite(s): junior standing. (Even Falls)

HISEUA 4340/5340 (962:152g). Medieval Civilization — 3 hrs.

Social, economic, political, and cultural features seen as foundations of the modern period. From Fall of Rome to 15th century. Prerequisite(s): junior standing. (Even Springs)

HISEUA 4350/5350 (962:153g). The Renaissance and Reformation — 3 hrs.

Intellectual, artistic, economic, and political developments of the Italian and Northern Renaissance, culminating in an examination of the 16th-century Reformation. Prerequisite(s): junior standing. (Variable)

HISEUA 4360/5360 (962:158g). 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. Prerequisite(s): junior standing. (Odd Falls)

HISEUA 4420/5420 (962:126g). 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. Prerequisite(s): junior standing. (Fall)

HISEUA 4440/5440 (962:164g). English History to 1688 — 3 hrs.

England and the British Isles: Celtic and Roman times, England in the Middle Ages, Tudor-Stuart dynasties, the Glorious Revolution of 1688; England's beginnings as a great power and her relations with the rest of Europe. Prerequisite(s): junior standing. (Odd Falls)

HISEUA 4460/5460 (962:171g). History of Germany to 1648 — 3 hrs.

Unified German Empire and political, social, and religious forces which undermined it from Middle Ages to end of Thirty Years War. Prerequisite(s): junior standing. (Even Falls)

HISEUA 4480/5480 (962:151g). The Ancient Near East — 3 hrs.

The artistic, literary, political, religious, and social accomplishments of Near Eastern people of ancient times. Prerequisite(s): junior standing. (Odd Springs)

Family Services Courses (FAM SERV)

Courses

FAM SERV 1010 (31F:010). 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 (31F:020). 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 (31F:030). 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)

Course Descriptions

FAM SERV 1055 (31F:055). 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 life span. Prerequisite(s): PSYCH 1001 (400:001); minimum grade of C in all prerequisite courses. (Fall and Spring)

FAM SERV 1057 (31F:057). 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. Culture and Marriage — 3 hrs.

An introduction to the diversity of marriages in the US. Topics include differences and similarities in demographic characteristics, the timing of marriage, marital roles, and relationship strengths among various cultural and ethnic groups living in the United States. (Variable)

FAM SERV 2054 (31F:054). 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 (31F:010); FAM SERV 1020 (31F:020); minimum grade of C in all prerequisite courses. (Variable)

FAM SERV 2060 (31F:060). 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 (31F:020); minimum grade of C in all prerequisite courses. (Fall and Spring)

FAM SERV 2077 (31F:077). 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. Prerequisite(s): sophomore standing. (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 (31F:145g). 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 (31F:150g). 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 (31F:020); FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); minimum grade of C in all prerequisite courses; junior standing. (Fall and Spring)

FAM SERV 3155/5155 (31F:155g). 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 (31F:020); FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); minimum grade of C in all prerequisite courses; junior standing. (Fall and Spring)

FAM SERV 3160/5160 (31F:160g). 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): FAM SERV 1020 (31F:020); minimum grade of C in all prerequisite courses; junior standing; consent of instructor. (Variable)

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 (31F:162g). 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 (31F:020); minimum grade of C in all prerequisite courses; junior standing. (Variable)

FAM SERV 3175/5175. Family Financial Counseling and Literacy — 3 hrs.

Using both the Financial Counseling model and the Solution Focused model, this class will introduce students to the financial counseling process as well as the basic concepts of family financial management throughout the lifespan. Prerequisite(s): junior standing. (Variable)

FAM SERV 3176/5176 (31F:177g). 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 (31F:180g). 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 (31F:182g). Research in Family Services — 1-3 hrs.

Conduct supervised research and/or scholarly project. Prerequisite(s): research methods course; minimum grade of C in all prerequisite courses; junior standing; consent of instructor. (Variable)

FAM SERV 4153/5153 (31F:153g). Family Relationships in Crisis — 3 hrs.

Family dynamics in crisis situations; review and application of the theoretical and empirical research about the effects of stress and crises on individuals and families, including intervention and policy implications. Prerequisite(s): FAM SERV 1020 (31F:020); 3

hours social science research methods; minimum grade of C in all prerequisite courses; junior standing. (Variable)

FAM SERV 4157/5157 (31F:157g). 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 (31F:057); minimum grade of C in all prerequisite courses; junior standing. (Variable)

FAM SERV 4178 (31F:178). 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 (31F:020); FAM SERV 1057 (31F:057); FAM SERV 2060 (31F:060); 3 hours social science research methods; minimum grade of C in all prerequisite courses; minimum 2.40 GPA; senior standing as a Family Services major or consent of instructor. (Variable)

FAM SERV 4184/5184 (31F:184g). 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 (31F:190). 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 (31F:060); Family Services majors only; minimum grade of C in all prerequisite courses; minimum 2.40 GPA; consent of instructor. (Fall and Spring)

FAM SERV 4195 (31F:195). Internship in Family Services — 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 400 hours of internship plus seminar. Prerequisite(s): FAM SERV 4190 (31F:190); minimum grade of C in all prerequisite courses; minimum 2.40 GPA; senior standing. (Fall, Spring, Summer)

FAM SERV 4198 (31F:198). Independent Study in Family Services.

Independent Study in Family Services

Finance Courses (FIN)

Courses

FIN 1040 (160:055). Personal Financial Planning and Asset Management — 3 hrs.

Overview of fundamentals of financial planning and asset allocations with emphasis on diversification of risk. (Fall and Spring)

FIN 3032/5032 (160:158g). International Financial Management — 3 hrs.

Study of financial decision making in an international context. Topics include financing international trade, management of foreign exchange risk, investment analysis, working capital management, and international taxation. Case study approach. Prerequisite(s):

ACCT 2120 (120:030); ACCT 2130 (120:031); C- or better in FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Fall and Spring)

FIN 3034 (160:154). Financial Information Systems and Analysis — 3 hrs.

Study of financial information systems (FIS) from perspective of financial decision makers. Topics include information economics, information value and business performance, and financial analysis. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); C- or better in FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Variable)

FIN 3040. Introduction to Personal Financial Planning — 3 hrs.

An introductory study of personal financial planning at a rigorous level. Topics include budgeting, insurance, investing, tax planning, credit and debt management, retirement and estate planning. Prerequisite(s): FIN 3130/5130 (160:151g). (Variable)

FIN 3050 (160:162). Risk Management and Insurance — 3 hrs.

Fundamentals of risk and insurance as they apply to financial management. Prerequisite(s): junior standing. (Variable)

FIN 3055 (160:163). 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 (120:030); ACCT 2130 (120:031); C- or better in FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Variable)

FIN 3065/5065 (160:157g). 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 (120:030); C- or better in FIN 3130/5130 (160:151g); FIN 3160/5160 (160:152g); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Fall and Spring)

FIN 3080 (160:170). Special Problems — 1-3 hrs.

Credit determined at registration. Prerequisite(s): junior standing; consent of department head. (Variable)

FIN 3110 (160:140). Principles of Real Estate — 3 hrs.

Introduction to nature of real estate, its investment value, and related decision analysis. Includes appraisal, investment analysis, location theory, financing, legal characteristics, and development. Not intended as pre-license course for sales personnel. Prerequisite(s): junior standing. (Fall and Spring)

FIN 3115 (160:143). Real Estate Law and Brokerage — 3 hrs.

Study of the law affecting real estate value, financing, conveyance, contractual obligations, and brokerage, including agency relationships. Prerequisite(s): FIN 3110 (160:140); junior standing. (Fall and Spring)

FIN 3120 (160:142). Real Estate Appraisal and Investment — 3 hrs.

Introduction to techniques of appraising the value of real estate. Includes discussion of market approach, cost approach, income approach, and techniques of analyzing investment value of real estate. Prerequisite(s): FIN 3110 (160:140); junior standing. (Fall and Spring)

FIN 3125 (160:141). Real Estate Finance — 3 hrs.

Introduction to concepts, techniques, and instruments integral to the financing of real estate. Includes discussion of financial markets and institutions from which financing can be obtained. Prerequisite(s):

Course Descriptions

ACCT 2120 (120:030); ACCT 2130 (120:031); C- or better in FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Fall and Spring)

FIN 3130/5130 (160:151g). 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 (120:030); both STAT 1772 (800:072) (or equivalent) and ECON 1011 (920:070), or MATH 1421 (800:061); ECON 1041 (920:053); ECON 1051 (920:054); junior standing. (Fall, Spring, Summer)

FIN 3135 (160:161). 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 (120:030); C- or better in FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Fall and Spring)

FIN 3160/5160 (160:152g). 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 (120:030); C- or better in FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Fall and Spring)

FIN 3170/5170 (160:153g). 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 (120:030); ACCT 2130 (120:031); C- or better in FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Fall and Spring)

FIN 3179 (160:179). 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 4040. Personal Wealth Management — 3 hrs.

Examines the financial planning process necessary to achieve individuals' goals related to benefits, retirement, estate, and tax planning. Prerequisite(s): FIN 3040; FIN 3130/5130 (160:151g)/5130. (Variable)

FIN 4140/5140 (160:156g). Topics in Financial Management — 3 hrs.

Examination of various aspects of financial management through discussions of specific topics. May be repeated only in different section. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing; plus the following prerequisites for the particular section. Sec. 1: Advanced Cases. Prerequisite(s): C- or better in FIN 3130/5130 (160:151g); FIN 4145 (160:171). Sec. 2: Security Analysis. Prerequisite(s): C- or better in FIN 3130/5130 (160:151g); FIN 3160/5160 (160:152g).

Sec. 3: Options/Futures. Prerequisite(s): C- or better in FIN 3130/5130 (160:151g); FIN 3160/5160 (160:152g).

Sec. 4: Working Capital. Prerequisite(s): C- or better in FIN 3130/5130 (160:151g); FIN 4145 (160:171). (Variable)

FIN 4145 (160:171). 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 (120:030); ACCT 2130 (120:031); C- or better in FIN 3130/5130 (160:151g); FIN 3135 (160:161); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); 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 (120:030); ACCT 2130 (120:031); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); C- or better in FIN 3130/5130 (160:151g); FIN 3160/5160 (160:152g); junior standing. (Variable)

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 (120:030); ACCT 2130 (120:031); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); C- or better in FIN 3130/5130 (160:151g); FIN 3160/5160 (160:152g); junior standing. (Variable)

FIN 4270. Applications of Financial Planning — 3 hrs.

Capstone class for the Personal Wealth Management emphasis with a broad overview of personal financial planning topics with a focus on how to apply them with clients. This class will enable students to apply what they have learned throughout their college career in their own lives as well as gain an understanding of how to work with clients as a professional in the financial services industry. Students will work through a detailed case study to create a financial plan, make recommendations, and present to the instructor/class as a Certified Financial Planner would to a client. Prerequisite(s): FIN 3040; FIN 4040; junior standing. (Variable)

FIN 6266 (160:266). 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 (160:151g) or equivalent; consent of MBA Director. (Spring)

FIN 6285 (160:285). Individual Readings — 1-3 hrs.

Directed readings and reports. Prerequisite(s): consent of MBA Director. (Variable)

FIN 6297 (160:297). Practicum — 2 hrs.

Prerequisite(s): consent of MBA Director. (Variable)

FIN 6299 (160:299). Research — 1-6 hrs.

Prerequisite(s): consent of MBA Director. (Variable)

French Courses (FREN)

Courses

FREN 1001 (720:001). 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 (720:002). Introduction to French Language and Culture II — 3 hrs.

Continuation of FREN 1001 (720:001). This course (with FREN 1001 (720:001)) satisfy the university foreign language exit requirement. Prerequisite(s): FREN 1001 (720:001) or equivalents. (Fall and Spring)

FREN 1011 (720:003). 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 (720:001) or equivalent. (Fall and Spring)

FREN 1012 (720:004). 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 (720:001) or equivalent. (Fall and Spring)

FREN 2001 (720:011). 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 (720:002) or equivalent. (Variable)

FREN 2002 (720:051). Composition — 3 hrs.

Continuation of FREN 2001 (720:011), leading to free composition. Prerequisite(s): FREN 2001 (720:011) or equivalent. (Variable)

FREN 2011 (720:012). Intermediate French Communication Practice — 2 hrs.

Oral practice (both live and computer-mediated) at the intermediate level to reinforce and broaden the development of language and culture. Prerequisite(s): FREN 1002 (720:002) or equivalents. (Variable)

FREN 2012 (720:061). Conversation — 2-3 hrs.

Continuation of FREN 2001 (720:011), with wider range of subjects, vocabulary, and structures. Prerequisite(s): FREN 2001 (720:011) or equivalent. (Variable)

FREN 3001/5001 (720:101g). 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 (720:051); junior standing. (Variable)

FREN 3002 (720:102). 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 (720:051) or consent of instructor. (Variable)

FREN 3003/5003 (720:103g). 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 (720:051); FREN 2012 (720:061); or consent of instructor; junior standing. (Variable)

FREN 3004 (720:104). Introduction to French Literature — 3 hrs.

Selected major works of representative French authors. Application of language skills to literary analysis and introduction to critical theories. Prerequisite(s): FREN 3001/5001 (720:101g) or equivalent. (Variable)

FREN 3011/5011 (720:111g). 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 (720:101g) or equivalent; junior standing. (Variable)

FREN 3085/5085 (720:185g). 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 (720:101g) or equivalent; junior standing. (Variable)

FREN 4005/5005 (720:105g). 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 (720:101g) or equivalent. (Variable)

FREN 4014/5014 (720:114g). The World of French Business — 3 hrs.

Study of various aspects of French culture relevant to the business world. Prerequisite(s): FREN 3001/5001 (720:101g) or equivalent; junior standing. (Variable)

FREN 4021/5021 (720:121g). 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 (720:101g); FREN 3004 (720:104); or equivalents; junior standing. (Variable)

FREN 4022/5022 (720:122g). 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 (720:101g); FREN 3004 (720:104); or equivalents; junior standing. (Variable)

FREN 4024/5024 (720:124g). French Civilization — 3 hrs.

Aspects of French history and culture up to the 19th Century. Prerequisite(s): FREN 3001/5001 (720:101g) or equivalent; junior standing. (Variable)

FREN 4025/5025 (720:125g). 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 (720:101g) or equivalent; junior standing. (Variable)

FREN 4028/5028 (720:128g). 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 (720:101g); FREN 3004 (720:104); or equivalents; junior standing. (Variable)

FREN 4044/5044 (720:144g). 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 (720:101g) or equivalent; junior standing. (Variable)

Course Descriptions

FREN 4081/5081 (720:181g). 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 (720:111g) or consent of instructor; junior standing. (Variable)

FREN 4091 (720:191). 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 (720:101g). (Variable)

FREN 6001 (720:201). Advanced Composition and Stylistics — 3 hrs.

Study of stylistic devices; examination of principal morphological, syntactical, and semantic problems. (Variable)

FREN 6003 (720:203). 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 (720:225). 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 (720:270). 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 (720:271). 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 (970:040). World Geography — 3 hrs.

Reasons for and consequences of variations over surface of the earth of cultural, economic, physical, and other attributes of places. (Fall, Spring, Summer)

GEOG 1120 (970:010). Human Geography — 3 hrs.

Interaction between peoples and their environments. Spatial patterns and processes of population distribution, characteristics, and movement, human environmental impact, and economic activity. (Fall, Spring, Summer)

GEOG 1210 (970:026). Physical Geography — 3 hrs.

Explanation of patterns of solar energy receipt, atmospheric pressure, winds, and precipitation around the Earth. Emphasis on how solar energy, water, and crustal movements interact to determine characteristics of natural environments on Earth. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall, Spring, Summer)

GEOG 1211. Physical Geography Laboratory — 1 hr.

Explanation of patterns of solar energy receipt, atmospheric pressure, winds, and precipitation around the Earth. Emphasis on how solar energy, water, and crustal movements interact to determine characteristics of natural environments on Earth. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. Prerequisite(s) or corequisite(s): GEOG 1210 (970:026). (Fall and Spring)

GEOG 1310 (970:061). 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 2210 (970:028). Recent Climate Change — 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 3110 (970:101). 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 3120 (970:104). 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 3179 (970:179). 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 (970:186). Studies in (Variable Topics).

Studies in (Variable Topics) (Variable)

GEOG 3210 (970:137). 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 3220 (970:100). Environmental Geography — 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. Prerequisite(s): GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor. (Variable)

GEOG 3230 (970:144). Natural Regions of North America — 3 hrs.

Description and explanation of various landforms of North America. Focus on structures and surface processes that form distinct physical regions of North America (e.g., Rocky Mountains), and kinds of landforms that make each region unique. (Odd Springs)

GEOG 3310 (970:164). 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 3580 (970:189). 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 (970:193). 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 4110/5110 (970:111g). 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 4120/5120 (970:119g). 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 4150/5150 (970:141g). 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. Prerequisite(s): junior standing. (Variable)

GEOG 4160/5160 (970:151g). Historical Geography: (Variable Topic) — 3 hrs.

Examination of geographic development of selected region or of significance of geographic factors in historical development of selected topic. May be repeated on different regions or topics.

Prerequisite(s): junior standing. (Variable)

GEOG 4170/5170 (970:168g). Regional Analysis and Planning — 3 hrs.

Introduction to processes, methods, and techniques of regional analysis and planning. Planning seen as political and technical process.

Prerequisite(s): junior standing. (Spring)

GEOG 4180/5180 (970:121g). Locational Analysis for Business — 3 hrs.

Practical and theoretical use of geographic models and concepts in business. Locational analysis, site selection, market area analysis, and real estate evaluation. Prerequisite(s): junior standing. (Spring)

GEOG 4190/5190 (970:117g). Transportation Planning and Policy — 3 hrs.

Transportation policy goals and objectives, transportation planning processes, characteristics and problems of transportation systems.

Use of current methodologies and techniques to support decision making related to transportation policy, operations, and management.

Prerequisite(s): junior standing. (Fall)

GEOG 4210/5210 (970:127g). Climatology — 3 hrs.

Fundamentals of physical and dynamic climatology. Application of fundamentals to classification and mapping of global distribution of climatic types, and reconstruction of past climates. Prerequisite(s): junior standing. (Even Falls)

GEOG 4220/5220 (970:126g). 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 (870:031) or GEOG 1210 (970:026); junior standing. (Odd Falls)

GEOG 4230/5230 (970:129g). 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 (970:155g). Reconstructing Ice Age Environments — 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 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031) or consent of instructor; junior standing. (Even Falls)

GEOG 4250/5250 (970:185g). 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 (870:031) or GEOG 1210 (970:026); junior standing. (Even Springs)

GEOG 4260. 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 (970:026) or EARTHSCI 1300 (870:031); BIOL 2051 (840:051); or consent of instructor. (Fall)

GEOG 4310/5310 (970:170g). 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 3310 (970:164); junior standing. (Spring)

GEOG 4320/5320 (970:174g). 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 3310 (970:164) or consent of instructor; 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 3310 (970:164). (Odd Falls)

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GEOG 4340/5340 (970:160g). 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 (800:064) or STAT 1772 (800:072) or SOC 2020 (980:080); junior standing. (Same as STAT 3778/5778 (800:171g)) (Odd Springs)

GEOG 4350/5350 (970:175g). 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. Prerequisite(s): junior standing. (Fall)

GEOG 4360/5360 (970:165g). Thematic Cartography — 3 hrs.

Application of cartographic principles and techniques in compiling thematic maps. Emphasis on cartographic production; essentials of computer mapping and map reproduction. Lecture, 2 periods; lab, 2 periods. Prerequisite(s): junior standing. (Spring)

GEOG 4370/5370 (970:173g). 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. Prerequisite(s): junior standing. (Fall)

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 4370/5370 (970:173g); junior standing. (Even Springs)

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 3310 (970:164) and 4310 or 4320 or consent of instructor. (Even Falls)

GEOG 4550 (970:180). 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 (970:181). 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 6000 (970:202). 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 (970:294). Nature of Geography and Its Research Methodology — 3 hrs.

Analysis of various currents of thought concerning the nature and scope of geography and the way they have changed over time. Examination of various geographic research methodologies in the context of these philosophical issues. (Spring)

GEOG 6285 (970:285). Readings in Geography — 1-3 hrs.

May be repeated. Prerequisite(s): consent of department head. (Fall, Spring, Summer)

GEOG 6286 (970:286). Studies In: (Variable Topics).

Studies In: (Variable Topics) (Variable)

GEOG 6299 (970:299). Research.

Prerequisite(s): consent of department. (Fall, Spring, Summer)

GEOG 6550 (970:280). Seminar — 3 hrs.

Topics listed in Schedule of Classes. May be repeated on different topics. (Variable)

GEOG 6598 (970:298). Directed Research Project — 3 hrs.

Research leading to research paper for students in the non-thesis option. Prerequisite(s): GEOG 6010 (970:294). (Fall, Spring, Summer)

German Courses (GER)

Courses

GER 1001 (740:001). 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 (740:002). German Language and Culture II — 3 hrs.

Continuation of GER 1001 (740:001). Not recommended for students who have had three or more years of German in high school or equivalent. Prerequisite(s): GER 1001 (740:001) or equivalent. (Fall and Spring)

GER 1011 (740:003). 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 (740:001). (Fall and Spring)

GER 1012 (740:004). German Communication Practice II — 2 hrs.

Continuation of GER 1001 (740:001) and GER 1011 (740:003). Not recommended for students who have had three or more years of German in high school or equivalent. Prerequisite(s): GER 1001 (740:001); GER 1011 (740:003); or equivalents. Corequisite(s): GER 1002 (740:002). (Fall and Spring)

GER 1120 (740:031). 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 (740:011). 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 (740:002); GER 1012 (740:004); or equivalents. (Variable)

GER 2002 (740:013). German Language and Culture IV — 3 hrs.

Continuation of GER 2001 (740:011) and GER 2011 (740:012). 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 (740:011); GER 2011 (740:012); or equivalents. (Variable)

GER 2011 (740:012). German Communication Practice III — 2 hrs.

Practice of language skills at intermediate level, including use of lab components. Prerequisite(s): GER 1002 (740:002); GER 1012 (740:004); or equivalents. (Variable)

GER 2012 (740:014). German Communication Practice IV — 2 hrs.

Continuation of GER 2001 (740:011) and GER 2011 (740:012). Practice of language skills at intermediate level, including use of lab components. Prerequisite(s): GER 2001 (740:011); GER 2011 (740:012); or equivalents. (Variable)

GER 3001/5001 (740:101g). German Writing Practice — 3 hrs.

Development of writing skills and grammar review. Prerequisite(s): GER 2002 (740:013); GER 2012 (740:014); junior standing. (Variable)

GER 3003/5003 (740:103g). 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 (740:013); GER 2012 (740:014); or equivalents; junior standing. (Variable)

GER 3004/5004 (740:104g). 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 (740:013); GER 2012 (740:014); or equivalents; junior standing. (Variable)

GER 3034 (740:134). 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 (740:101g) or GER 3003/5003 (740:103g) or equivalents. (Variable)

GER 3036 (740:136). 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 (740:101g) or GER 3003/5003 (740:103g). (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. Prerequisite(s): junior standing. (Same as CAP 3165 and TESOL 3565) (Variable)

GER 4021/5021 (740:121g). 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 (740:101g); GER 3004/5004 (740:104g); or equivalents; junior standing. (Variable)

GER 4030 (740:130). 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 (740:101g) or GER 3003/5003 (740:103g). (Variable)

GER 4050/5050 (740:150g). 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 (740:101g) or equivalent. (Variable)

GER 4085/5085 (740:185g). 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 (740:101g) or equivalent; junior standing. (Variable)

GER 4091 (740:191). 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 (740:101g). Prerequisite(s) or corequisite(s): LANG 4090. (Variable)

GER 6001 (740:201). 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 (740:225). 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 (31G:192g). 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 (31G:194g). Problems in Gerontology — 1-4 hrs.

Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

Course Descriptions

GERO 4170/5170 (31G:170g). 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 (31G:184g). 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 (31G:193). 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 (31G:195) or HPE 4768 (410:168) or SOC 3100. (Variable)

GERO 4195 (31G:195). 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. Corequisite(s): for Social Sciences track: GERO 4193 (31G:193). Prerequisite(s) or corequisite(s): for Long Term Care track: GERO 4193 (31G:193). (Variable)

GERO 4198 (31G:198). Independent Study in Gerontology — 1-6 hrs. (Variable)

Health Promotion and Education Courses (HPE)

HPE 1030. Basic Nutrition — 2 hrs.

Study of nutrition in relation to growth development and maintenance of the body. No credit for NUTR 1030 if credit previously earned in 310:032 Fundamentals of Nutrition. (Variable)

HPE 1031. Nutrition for Early Childhood Education — 2 hrs.

Study of the role of nutrition in the growth and development of young children, and the effect of nutrition on learning processes. Focus on nutritional needs of young children as well as the incorporation of nutrition education into the curriculum in early childhood education. (Variable)

HPE 1101 (410:005). Introduction to Public Health — 2 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. (Fall and Spring)

HPE 2120 (410:020). 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)

HPE 2160 (410:060). Medical Terminology — 2 hrs.

Basic terminology and vocabulary used in medical field; structural organization of the body, major anatomy, medical procedures and instrumentation, and medical specialties. (Variable)

HPE 3118 (410:118). Teaching Aerobics — 1 hr.

Preparation to teach aerobic activities, including aerobic dance, step and circuit aerobics, and aerobic kick boxing. (Spring)

HPE 3160 (410:160). 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 (CAP:160)) (Variable)

HPE 3220. Human Diseases for School Health Educators — 1 hr.

Human Diseases for School Health Educators is designed to help the student develop basic knowledge and skills necessary to effectively incorporate the study of human diseases into the school health education curriculum. (Fall)

HPE 3230. Drug Prevention Education for School Health Educators — 2 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)

HPE 3240 (410:140). 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 (200:148)). (Spring)

HPE 3344 (410:144). Health Education Curriculum — 2 hrs.

Introduction to existing curricular models, the processes involved in developing materials, and the appropriate scope and sequence of learning activities in elementary, middle, and high school health education. Prerequisite(s): Completion of Level 1, which includes TEACHING 2017 Level 1 Field Experience and EDPSYCH 2030 (200:030) Dynamics of Human Development. (Fall)

HPE 3650 (410:152). 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 (CAP:152)) (Variable)

HPE 3686 (410:185). Readings in Health Education — 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)

HPE 3689 (410:189). Seminar in Health Promotion — 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)

HPE 3693 (410:193). Internship Seminar — 3 hrs.

The Health Promotion and Education 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 HPE 4768 (410:168) Field Experience in Health Promotion. Prerequisite(s): Instructor approval. Corequisite(s): GERO 4195 (31G:195) or HPE 4768 (410:168) or SOC 3100. (Variable)

HPE 4125/5125 (410:125g). 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)

HPE 4155 (410:155g). Stress Management — 2 hrs.

Introduction to stress and stress management, the relationship between stress and disease. Preference to Health Promotion majors. (Spring)

HPE 4161/5161 (410:161g). Global Service Mission — 3-6 hrs.

The Global Service Mission is a blended 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)

HPE 4162/5162 (410:162g). 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. Prerequisite(s): junior standing. (Fall)

HPE 4164 (410:164g). 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. (Spring)

HPE 4167/5167 (410:167g). 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)

HPE 4247/5247 (410:147g). 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)

HPE 4328/5328 (410:128g). 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. Prerequisite(s): junior standing. (Spring)

HPE 4353/5353 (410:153g). 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. (Fall and Spring)

HPE 4373/5373. Planning and Evaluating Health Promotion 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): STAT 1772 (800:072) or equivalent; HPE 4353/5353 (410:153g); junior standing. (Fall and Spring)

HPE 4383/5383. Health Promotion Implementation and Advocacy — 4 hrs.

Methods, techniques, and resources used in advocacy and implementing for health promotion programs. Requires field-based work. Prerequisite(s): HPE 4353/5353 (410:153g); HPE 4373/5373; junior standing. (Fall and Spring)

HPE 4393/5393. Epidemiological Methods, Research Design, and Analysis — 3 hrs.

Instruction in the methods of both descriptive and analytical epidemiology, the quantitative tools used in all areas of epidemiological surveillance and research design, and the development of a nuanced critique of research design and findings. Prerequisite(s): junior standing. (Fall and Spring)

HPE 4431/5431 (410:131g). 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. (Fall)

HPE 4438/5438 (410:138g). 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)

HPE 4551/5551 (410:151g). Nutrition for Health Promotion — 3 hrs.

For junior, senior, and graduate students in health promotion, as well as pre- and para-medical students to provide basic knowledge of the fundamentals of nutrition, related diseases/conditions, and current nutritional issues encountered by health professionals. Priority given to 410, 420, and 430 majors. Prerequisite(s): junior standing. (Spring)

HPE 4580/5580 (410:180g). 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): STAT 1772 (800:072); junior standing. (Variable)

Course Descriptions

HPE 4663/5663 (410:163g). 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. (Fall and Spring)

HPE 4665/5665 (410:165g). 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. (Same as ENV SCI 4665/5665 (830:165g)) (Fall)

HPE 4666/5666 (410:166g). 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. (Same as ENV SCI 4666/5666 (830:166g)) (Odd Springs)

HPE 4667/5667. Human Toxicology for Environmental and Occupational Health: Principles and Applications — 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 with detailed studies of key toxins. The review includes discussions of limiting exposures and cutting edge topics in toxicology. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044); CHEM 1120 (860:048); junior standing. (Fall)

HPE 4768 (410:168). Field Experience in Health Promotion — 3-12 hrs.

3, 6, 9, or 12 hrs. Experience in area of student's career objectives. Offered on credit/no credit basis only. Prerequisite(s): HPE 3693 (410:193); senior standing; 2.50 cumulative GPA; consent of Division of Health Promotion and Education Coordinator of Student Field Experiences. CPR, First Aid, OSHA and Mandatory Reporting certificates required. (Fall, Spring, Summer)

HPE 6220 (410:220). 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)

HPE 6245 (410:295). 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 Division of Health Promotion and Education Graduate Coordinator. (Fall, Spring, Summer)

HPE 6271 (410:271). Cardiovascular Physiology — 3 hrs.

In-depth study of the functioning of the cardiovascular and respiratory systems in the diseased and non-diseased state. Major topics include functional anatomy, cardiorespiratory control, arterial pressure, responses to exercise, electrical activity, and the effects of disease processes. (Same as PEMES 6271 (420:271)) (Variable)

HPE 6285 (410:285). Readings — 1-4 hrs.

May be repeated for maximum of 6 hours. (Fall, Spring, Summer)

HPE 6289 (410:289). Seminar — 1 hr.

May be repeated for maximum of 6 hours. (Variable)

HPE 6297 (410:297). Practicum — 2-3 hrs.

May be repeated for credit. (Fall, Spring, Summer)

HPE 6299 (410:299). Research.

Fee assessed separately for laboratory materials and/or binding of thesis/research paper. Prerequisite(s): consent of department. (Fall, Spring, Summer)

HPE 6390 (410:290). 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)

HPE 7320 (410:320). Theoretical Foundations of Community and Public Health Education — 3 hrs.

Theoretical approaches to behavior change in community and public health research and practice; includes factors influencing health behaviors, ethical issues, behavioral interventions, and consideration for special populations. (Variable)

HPE 7389 (410:389). Health Promotion and Education Seminar — 1 hr.

Explores various aspects of the Health Promotion and Education graduate program, career responsibilities, and the completion of the dissertation. Intent is to increase understanding of the graduate education process and provide a forum for discussing research topics. May be repeated for maximum of 6 hours. Prerequisite(s): doctoral status. (Variable)

Historical Study/Thematic/Graduate Courses (HIST)

Courses

HIST 1010 (960:010). Introduction to the Study of History — 3 hrs.

Introduction to nature and use of history, to historiography, and to basic methods of historical research. Required of all History majors and must be taken immediately after major is declared. Prerequisite(s): Declared History majors, Public History minors, Social Science majors, and Interactive Digital Studies Digital History Bundle students. Corequisite(s): HIST 1011 (960:011) required for History majors only. (Fall and Spring)

HIST 1011 (960:011). 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. Prerequisite(s): declared History majors only. Corequisite(s): HIST 1010 (960:010). (Fall and Spring)

HIST 3000 (960:192). Junior-Senior Seminar — 3 hrs.

May be repeated on different topics. Prerequisite(s): for History majors: HIST 1010 (960:010); junior standing. For non-History majors: consent of instructor. (Fall and Spring)

HIST 3010 (960:189). 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 4010/5010 (960:106g). 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. Prerequisite(s): junior standing. (Fall)

HIST 4020/5020 (960:125g). 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 (990:125g)) (Even Springs)

HIST 4030/5030 (960:132g). 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 4198 (960:198). Independent Study.
(Fall, Spring, Summer)

HIST 6020 (960:225). 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 (960:280). Seminar - Topics in U.S. History — 3 hrs.
Seminar on major schools of interpretation in a specific topic in U.S. History. May be repeated. (Variable)

HIST 6050 (960:290). Historical Methods — 3 hrs.
Investigation of problems confronting the historian and analysis of methods and techniques employed. (Fall)

HIST 6285 (960:285). Individual Readings — 1-3 hrs.
May be repeated. Prerequisite(s): consent of department head. (Fall and Spring)

HIST 6288. Seminar - Topics in World History — 3 hrs.
Seminar on major schools of interpretation of the history of areas beyond the United States. Seminar will focus on a specific region or have a transnational focus. May be repeated. (Variable)

HIST 6289 (960:289). Seminar in United States Historiography — 3 hrs.
Seminar on major schools of interpretation of the American past, and specific examination of historiographical development of selected topics in American history. (Spring)

HIST 6297 (960:297). Practicum — 1-4 hrs.
May be repeated. (Fall, Spring, Summer)

HIST 6299 (960:299). Research — 3-6 hrs.
Thesis research and preparation. May be repeated for maximum of 6 hours on the Thesis option. Prerequisite(s): consent of department. (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 (680:021). 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 (680:022). 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 (680:023). 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 (680:102g). 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 4311/5311 (48C:121g)) (Fall and Spring)

HUM 3121 (680:121). 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 (680:122). 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 (680:123). 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 (780:120). (Fall and Spring)

HUM 3124 (680:124). 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 (680:125). India — 3 hrs.
Treatment of significant elements of Indian culture, historical development, and place in the world today. (Fall and Spring)

HUM 3127 (680:127). Middle East — 3 hrs.
Treatment of significant aspects of Middle Eastern culture, historical development, and place in the world today. (Variable)

HUM 3128 (680:128). Africa — 3 hrs.
Interdisciplinary examination of contemporary African society and culture: historical heritage, problems, prospects, and importance. (Fall and Spring)

HUM 3130 (680:130). 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)

Course Descriptions

HUM 3132 (680:132). 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 (990:132)) (Variable)

HUM 3137 (680:137). 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 (990:137)) (Fall and Spring)

HUM 3138 (680:138). 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. (Same as RELS 3310 (640:138)) (Variable)

HUM 3151/5151 (680:151g). 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 (680:160g). 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 (680:169). 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 3188 (680:188). Seminar on Leadership Development: The Future — 1-2 hrs.

Synthesis of theory and practice of leadership; examination of case studies and research on leadership issues and ethics; preparation of career plans that include service component. Prerequisite(s): HUM 3110; junior standing or consent of instructor. [Same as COMM 3157] (Variable)

HUM 4198 (680:198). Independent Study.

Independent Study

Instructional Technology Courses (INSTTECH)

Courses

INSTTECH 1020 (240:020). Secondary Educational Technology and Design — 2 hrs.

Design and production of media and the operation of hardware and software for grades 5-12 educational use. Includes selection and use of various educational technologies within an instructional design framework. The following majors are waived from INSTTECH 1020 (240:020): Department of Technology majors, Music Education

majors, Art Education majors, Secondary Science teaching majors (Science Education, biology, Chemistry, Earth Science, and Physics), Secondary Business Education teaching majors, Modern Language education majors. (Fall, Spring, Summer)

INSTTECH 1030 (240:030). Creating Technology-Enhanced Learning Environments — 3 hrs.

Students explore how project, problem and inquiry-based learning can be enhanced through technology. Using research as the foundation, students will experience and design blended learning environments where technology tools expand students' opportunities to learn and create. Prerequisite(s): INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031). (Spring)

INSTTECH 1031 (240:031). Educational Technology and Design — 3 hrs.

Selection and use of various educational technologies within an instructional design framework. Includes the design and production of media and the operation of hardware and software for Pre-K-8 educational use. (Fall, Spring, Summer)

INSTTECH 4110/5110. Developing and Designing Online Learning — 3 hrs.

Explore online learning and the special needs/concerns of teaching at a distance. Students will be actively involved in creating effective distance education; engaging online learners; addressing learner needs, and fostering interactive learning environments. Prerequisite(s): junior standing. (Spring)

INSTTECH 4131/5131 (240:131g). Exploring Issues and Trends in Instructional Technology — 3 hrs.

This course prepares educators to critically examine contemporary issues, current research, and emerging trends in instructional technology. It involves investigation of historical technology uses, impact of emerging technologies on teaching and learning, and strategies for making informed decisions concerning equity, ethics, enhancing the curriculum. Prerequisite(s): junior standing. (Fall)

INSTTECH 4138/5138 (240:138g). Understanding Visual Literacy — 3 hrs.

Familiarizes students with the definition and concepts of visual literacy, the impact of visual images on our culture, the creation and use of visuals, the inclusion of visuals in instruction, and teaching critical viewing skills to various audiences. Prerequisite(s): junior standing. (Fall)

INSTTECH 4139/5139 (240:139g). Planning and Producing Instructional Media — 3 hrs.

Teaches planning and production steps essential for creating instructional multimedia projects. Students produce a real-world instructional multimedia product using the framework of the AECT instructional technology standards. Lab as arranged. Prerequisite(s): INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031) or consent of instructor; junior standing. (Fall, Spring, Summer)

INSTTECH 4153/5153 (240:153g). Using Digital and Social Media in Education — 3 hrs.

Integrating leading-edge research about emerging digital and social media with hands-on experience. Study of emerging applications and instructional implementations. Students create an interactive instructional environment and document their pedagogical choices. Prerequisite(s): INSTTECH 1030 (240:030) or INSTTECH 4139/5139 (240:139g); junior standing. (Fall)

INSTTECH 4160 (240:160). Instructional Technology Projects — 1-4 hrs.

Independent instructional 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 4 hours. (Fall, Spring, Summer)

INSTTECH 4170/5170 (240:170g). Supporting Learning with Dynamic Web Design — 3 hrs.

Focuses on the evaluation and design of electronically-produced materials. Provides students with opportunities to apply basic visual design principles to the development of web-based instructional media. Includes hands-on experience with web site design. Prerequisite(s): junior standing. (Variable)

INSTTECH 4186/5186. Studies in Instructional 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)

INSTTECH 4189 (240:189). Readings in Instructional 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. May be repeated for maximum of 4 hours for any section. (Fall, Spring, Summer)

INSTTECH 6208. Enhancing Learning Through Action Research — 3 hrs.

Engages in critical reflection to change, and designs and conducts a research cycle of acting, observing, and reflecting. Provides the basis for planning and completing action research. Prerequisite(s): INSTTECH 6240 (240:240). (Fall)

INSTTECH 6232 (240:232). Selecting and Integrating Instructional Technology — 3 hrs.

Examines new technologies that generate need for new literacies for 21st century students. Includes procedures for selection and integration of instructional technologies to support learning. (Fall)

INSTTECH 6237 (240:237). Leading Change Through Instructional Technology — 3 hrs.

Explores leading change towards 21st century learning. Engages in the processes of technology planning, management, and support in both theory and through practical applications. (Fall)

INSTTECH 6240 (240:240). 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)

INSTTECH 6250. Writing a Graduate Paper/ePortfolio — 3 hrs.

Refines skills in writing a Masters Literature Review; researching, reading, writing and formatting a paper. Masters ePortfolio is organized, formatted and development begins. (Fall)

INSTTECH 6260 (240:260). Advanced Instructional Technology Projects — 1-4 hrs.

Independent instructional 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 4 hours. (Fall, Spring, Summer)

INSTTECH 6285 (240:285). Readings in Instructional 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)

INSTTECH 6286 (240:286). Studies in Instructional Technology — 1-3 hrs.

Individualized study of a specific problem or application in an area as determined by instructor and student. (Fall, Spring, Summer)

INSTTECH 6289 (240:289). Seminar in Instructional Technology — 2 hrs.

Refines the necessary skills to write a Master's paper; includes researching, reading, writing, and formatting the paper. May not be repeated. (Fall, Spring, Summer)

INSTTECH 6297 (240:297). Practicum in Instructional Technology — 2-3 hrs.

(Fall, Spring, Summer)

INSTTECH 6299 (240:299). Research — 3 hrs.

Students will complete their masters literature review/project report/original research/journal article during this course. It should be taken in the final semester of your program. Prerequisite(s): consent of department. (Fall, Spring, Summer)

INSTTECH 7340 (240:340). Designing Instructional Systems — 3 hrs.

Application of current research and theory to the instructional design process. Systematic process of translating principles of learning and instruction, employing several instructional design models. (Variable)

Interior Design Courses (INTDSGN)

Courses

INTDSGN 1001 (31I:065). Introduction to Interior Design — 2 hrs.

Overview of interior design issues relating to design methods, human factors, professions and certifications, current concerns, and environments. (Fall)

INTDSGN 1061 (31I:061). 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 (31I:063). 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 (31I:061). (Spring)

INTDSGN 1065. Design Visualization and Communication — 2 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 (31I:067). History of Interiors I — 2 hrs.

Styles of furnishings, interiors, and architecture from antiquity to the mid-19th century. (Spring)

Course Descriptions

INTDSGN 2063 (31I:064). 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 (31I:063). Corequisite(s): INTDSGN 2065; INTDSGN 2069; declared Interior Design majors only. (Fall)

INTDSGN 2065. Space Planning and the Human Experience — 2 hrs.

Introduction to concepts and application of spatial definition, organization, and theories of human behavior in the built environment. Corequisite(s): INTDSGN 2063 (31I:064); INTDSGN 2069; declared Interior Design majors only. (Fall)

INTDSGN 2067 (31I:068). History of Interiors II — 2 hrs.

Styles of furnishings, interiors, and architecture from the mid-19th century to the present and their use in current interiors; current trends and designers. Prerequisite(s): INTDSGN 1067 (31I:067). (Fall)

INTDSGN 2069. Materials and Resources for Interior Design — 2 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. Corequisite(s): INTDSGN 2063; INTDSGN 2065; declared Interior Design majors only. (Fall)

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 (31I:064); declared Interior Design majors only. (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 (31I:064); INTDSGN 2065; INTDSGN 2069; declared Interior Design majors only. (Spring)

INTDSGN 3129 (31I:129). Interior Design Standards — 2 hrs.

Standards set by the profession for entry-level positions in Interior Design. (Spring)

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 2069. Corequisite(s): INTDSGN 3063; INTDSGN 3069; declared Interior Design majors only. (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. (Spring)

INTDSGN 3164 (31I:164). Professional Practice of Interior Design — 2 hrs.

Professional responsibilities (legal, ethical, social and business) and practice of Interior Design. Prerequisite(s) or corequisite(s): INTDSGN 3151; 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 (31I:164); 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 3152; declared Interior Design Majors only. (Fall)

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 4151. (Fall)

INTDSGN 4161. Advanced Design I — 2 hrs.

Complex residential/non-residential design problems incorporating applied research methods. Prerequisite(s): Corequisite(s): INTDSGN 4152; 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. (Variable)

INTDSGN 4184/5184 (31I:184g). 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 (31I:192g). 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 (31I:194g). Problems in Interior Design — 1-4 hrs.

Individual topic areas of in-depth study. Prerequisite(s): junior standing; consent of instructor. (Variable)

INTDSGN 4195 (31I:195). 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 (31I:198). 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.continuetolearn.uiowa.edu/lakesidelab/ 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 2010 (890:010). Earth, Air and Sky — 3 hrs.

Introduction to the essentials of earth science (astronomy, meteorology, geology, and paleontology). (Summer)

IA LL 2019 (890:019). 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 (890:030). 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 plants 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 (890:040). 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 (890:043). 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 (890:044). 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 (890:050). 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 (890:100g). 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 (890:102g). 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 (890:103g). 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 (890:105g). 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 — 4 hrs.

Structure and taxonomy of freshwater algae based on field-collected material. Emphasis on genus-level identifications, habitats; visited locations include lakes, fens, streams, and rivers; algal ecology. (Summer)

IA LL 3111/5111 (890:111g). 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 (890:121g). 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):

Course Descriptions

two semesters of introductory biology or consent of instructor; junior standing. (Summer)

IA LL 3122/5122 (890:122g). 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 (890:124g). 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 (890:126g). 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 (890:127g). 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 (890:128g). 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 (890:132). 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 (890:134g). 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 (890:135g). 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 (890:140g). 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 (890:142g). 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 (890:160g). 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 3163 (890:163). 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 (890:165g). 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 (890:175g). 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 (890:142g); junior standing. (Summer)

IA LL 4178/5178 (890:178g). 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 (890:193). Undergraduate Research — 1-4 hrs.

Prerequisite(s): junior standing; consent of instructor. (Variable)

IA LL 4198 (890:198). Undergraduate Independent Study — 1-4 hrs.

Prerequisite(s): junior standing; consent of instructor. (Variable)

IA LL 6210 (890:210). 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 (890:215). 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 (890:217). 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 (890:225). 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 (890:240). 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 (890:291). 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, 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 for students with credit in HPE 3135 or PEMES 2045 (420:045). No credit given to Physical Education or Health Education majors or minors. Prerequisite(s): EDPSYCH 2030 (200:030). (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 and Spring)

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 (220:293) or equivalent. (Variable)

Course Descriptions

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 (700:099). 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 4093 (700:193g). Technology in Language Education — 2-3 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 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g). (Fall)

LANG 4198 (700:198). Independent Study — 1-6 hrs.

(Variable)

LANG 4740/5740. Approaches to Language Learning and Teaching — 3 hrs.

Focus on the learning of language (the four skills - listening, speaking, reading, and writing) and approaches to teaching language that combine communicative, thematic, and task-based learning with a concern for students' individual differences. Attention to recognizing the assumptions and aims of various teaching methods in order to guide and strengthen teaching practice. Prerequisite(s) or corequisite(s): TESOL 4110/5110 (630:130g) or TESOL 4120/5120 (630:125g) or SPAN 3001 (780:101); 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 (700:290). 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 (700:295). 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)

Leisure, Youth and Human Services Courses (LYHS)

LYHS 2010 (430:010). Introduction to Leisure, Youth and Human Services — 3 hrs.

Introduction to leisure, youth and human services profession. Examination of the components of LYHS delivery systems, focusing on programs and services, facilities, populations served, and sources of funding. Field trips required. Priority registration will be given to undecided majors and prospective and declared majors in School of HPELS. (Fall and Spring)

LYHS 2020 (430:020). 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. (Fall and Spring)

LYHS 2075 (430:075). Marketing for Leisure, Youth and Human Service Agencies — 3 hrs.

This course covers the main concepts of leisure, youth and human services marketing 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 or Spring)

LYHS 2335 (430:060). Principles of Nonprofit Organizations — 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 and Spring)

LYHS 2551 (430:050). Principles 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. (Fall)

LYHS 2770 (430:070). Principles 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 or Spring)

LYHS 3030 (430:030). Inclusive Recreation and Diversity in LYHS — 3 hrs.

Overview of interaction of leisure services and the elements of diversity (e.g., race/ethnicity, gender, age, and ability/disability). (Spring)

LYHS 3050 (430:114). Management of Leisure, Youth and Human Services — 3 hrs.

Introduction to factors of managing leisure, youth and human services. Focus on personnel management, legal foundations, policy formulation, budgeting and finance, and organizational behavior. Prerequisite(s): LYHS 2010 (430:010); LYHS 2020 (430:020). (Fall and Spring)

LYHS 3060 (430:110). Programming for Leisure, Youth and Human Services — 3 hrs.

Introduction to methods and procedures for planning, budgeting, implementing, and evaluating leisure, youth and human service programs. Prerequisite(s): LYHS 2010 (430:010); LYHS 2020 (430:020); or written consent of instructor. (Fall and Spring)

LYHS 3121 (430:121). Philosophical Foundations of Leisure, Youth and Human Services — 3 hrs.

Examination of historical and philosophical foundations of leisure, youth and human services, 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. (Fall and Spring)

LYHS 3157 (430:157). Introduction to Youth Development in LYHS — 3 hrs.

Historical and philosophical foundations of leisure, youth and human services. Survey of practices and values in relation to the growth of youth in leisure, youth and human service settings. Prerequisite(s): consent of instructor. (Fall)

LYHS 3183 (430:183). Nonprofit Leadership Practicum, Level I — 2 hrs.

Professional development forum experiential education and practical application for entry-level activities in leisure, youth and human 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): junior standing; consent of instructor. (Fall and Spring)

LYHS 3290 (430:185). Readings in Leisure, Youth and Human Services — 1-3 hrs.

Individual reading and literature review in an area of leisure, youth and human services. Credit to be determined at time of registration based on student's proposal. Prerequisite(s): junior standing; consent of instructor. (Fall, Spring, Summer)

LYHS 3337 (430:154). Human Resource Development for Leisure, Youth and Human Services — 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. (Spring)

LYHS 3338 (430:155). 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. (Spring)

LYHS 3774 (430:173). 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): LYHS 2770 (430:070) or consent of instructor. (Fall)

LYHS 3990. Principles of Therapeutic Recreation I — 3 hrs.

The study of (1) disabling conditions and their effect on the individual's lifestyle and health; and (2) the role of recreation in the rehabilitation process. (Fall)

LYHS 3991/5991 (430:123). Principles of Therapeutic Recreation II — 3 hrs.

History, philosophy, and theories of therapeutic recreation; professionalism; factors influencing service delivery. Prerequisite(s): junior standing. (Spring)

LYHS 4055 (430:151). Financial Resource Management for LYHS Agencies — 3 hrs.

Theory and practice of budget development, fundraising, financial control, and grant seeking in programs within Leisure, Youth and Human Services. (Fall)

LYHS 4070/5070 (430:169g). Research and Evaluation in Leisure, Youth and Human Services — 3 hrs.

Introduction to research, evaluation, needs assessment concepts, procedures, and analyses in leisure, youth and human services. Prerequisite(s): LYHS 3060 (430:110); junior standing. (Fall and Spring)

LYHS 4080 (430:189). Seminar — 1-2 hrs.

Prepares students for internship and future employment in leisure, youth and human service organizations. Focus on development of professional documentation (portfolio, resume, etc.), skills, and internship placement. LYHS majors must register for 2 hours. Prerequisite(s): senior standing; consent of instructor. (Fall and Spring)

LYHS 4090 (430:184). Senior Project — 1-3 hrs.

Programming, resource, or research project to be completed during internship. Written report and oral presentation required after the completion of internship. LYHS majors must register for 3 hours.

Course Descriptions

Prerequisite(s): consent of Internship Coordinator. Corequisite(s): LYHS 4095 (430:187). (Spring and Summer)

LYHS 4095 (430:187). Internship — 8-12 hrs.

Comprehensive practical experience in leisure, youth and human services. LYHS majors must register for 12 hours. Offered on credit/no credit basis only. Prerequisite(s): senior standing; consent of Internship Coordinator. Corequisite(s): LYHS 4090 (430:184). (Spring and Summer)

LYHS 4115/5115 (430:168g). Areas and Facilities for Leisure, Youth and Human Services — 3 hrs.

Planning, designing and managing park, recreation and leisure settings, areas, and facilities. Prerequisite(s): LYHS 3060 (430:110) or consent of instructor; junior standing. (Fall)

LYHS 4116/5116 (430:172g). Festivals and Special Events Management — 3 hrs.

Exploration of special events and festivals including their contribution to enhancing the quality of life for local residents and tourists. Study of when, where, why, and how such events are created, planned, and financed; why they are effective. Field trips required. Prerequisite(s): junior standing. (Spring)

LYHS 4265/5265 (430:165g). Leisure, Youth and Human Services Field Experience — 1-12 hrs.

Supervised observation and leadership experience in a designated LYHS program area. May be repeated with consent of department. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Fall, Spring, Summer)

LYHS 4339/5339 (430:188g). Nonprofit Leadership Practicum, Level II — 2 hrs.

Leadership development forum embracing experiential education and practical application for activities in leisure, youth and human 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): LYHS 3183 (430:183); junior standing; consent of instructor. (Fall and Spring)

LYHS 4552/5552 (430:130g). Theory and Practice of Experiential Education — 3 hrs.

Theory, history, philosophy, and practice of experiential education. Focus on application in environmental education/adventure settings. Field trip(s) required. Prerequisite(s): junior standing. (Spring)

LYHS 4553/5553 (430:143g). 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. (Spring)

LYHS 4554/5554 (430:146g). Managing Recreation Impacts on the Natural Environment — 3 hrs.

Comprehensive study of theories, philosophies, methods, and planning strategies used to facilitate efficient and effective management of natural resources for appropriate use by outdoor recreation visitors. Prerequisite(s): junior standing. (Fall)

LYHS 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 HISUS 4556/5556] (Fall)

LYHS 4621/5621 (430:140g). 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)

LYHS 4623/5623 (430:141g). 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)

LYHS 4625/5625 (430:144g). 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)

LYHS 4776/5776 (430:170g). 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-tourism, sport and adventure tourism. Field trips required. Prerequisite(s): LYHS 2770 (430:070) or consent of instructor; junior standing. (Variable)

LYHS 4778/5778 (430:171g). Community Based Tourism — 3 hrs.

Promotes student competencies that will enable them to assist rural communities in development of a rural tourism program through an organized planning process. Field trips required. Prerequisite(s): junior standing. (Variable)

LYHS 4779/5779 (430:138g). 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. (Variable)

LYHS 4995/5995 (430:160g). Assessment, Programming and Evaluation in Therapeutic Recreation — 3 hrs.

Methods and techniques used in providing therapeutic recreation to persons with disabilities. Includes field experience. Prerequisite(s): FAM SERV 1055 (31F:055); LYHS 3990; LYHS 3991/5991 (430:123); or consent of instructor; verified First Aid and CPR certification; junior standing. Corequisite(s): LYHS 4996/5996 (430:167g). (Fall)

LYHS 4996/5996 (430:167g). Intervention Techniques in Therapeutic Recreation — 3 hrs.

Appropriate activity, leadership, and adaptation techniques. Includes field experience. Prerequisite(s): FAM SERV 1055 (31F:055); LYHS 3990; LYHS 3991/5991 (430:123); or consent of instructor; junior standing. Corequisite(s): LYHS 4995/5995 (430:160g). (Fall)

LYHS 4997/5997 (430:163g). Administrative Practices in Therapeutic Recreation — 3 hrs.

Knowledge and techniques for management of therapeutic recreation including legal and financial problems, utilization of human resources, and development of public relations. Prerequisite(s): LYHS 3990;

LYHS 3991/5991 (430:123); LYHS 4995/5995 (430:160g); LYHS 4996/5996 (430:167g); or consent of instructor; junior standing. (Spring)

LYHS 6200 (430:240). Historical and Philosophical Foundations of Leisure, Youth and Human Services — 3 hrs.

Historical and philosophical perspective for understanding leisure, leisure behavior, and professional practices in leisure, youth and human services. (Fall)

LYHS 6201 (430:201). Social Policy and Issues in Leisure, Youth and Human Services — 3 hrs.

Examination and analysis of current trends, issues, and social policy confronting practitioners in voluntary/not-for-profit, public, and commercial leisure, youth and human service agencies. (Variable)

LYHS 6202 (430:202). Social Psychology of Leisure — 3 hrs.

Exploration of sociopsychological dimensions of leisure as they affect leisure, youth and human service practitioners and agencies, focusing on theories from sociology, psychology, and social psychology. (Spring)

LYHS 6203 (430:248). 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)

LYHS 6285 (430:285). Readings — 1-6 hrs.

May be repeated for credit. (Fall, Spring, Summer)

LYHS 6295 (430:291). Internship — 1-12 hrs.

Practical experience in leisure, youth and human services with community agencies. May be repeated with consent of student's advisor. Prerequisite(s): consent of graduate committee. (Fall, Spring, Summer)

LYHS 6299 (430:299). Research.

Fee assessed separately for laboratory materials and/or binding of thesis/research paper. Prerequisite(s): consent of department. (Fall, Spring, Summer)

LYHS 6402 (430:260). Strategic Program Management — 3 hrs.

Examination of concepts and theories of program management in leisure, youth and human services, focusing on analysis of specific programming strategies as they relate to community organization theory using a systems approach. (Fall)

LYHS 6404 (430:254). Marketing the Youth/Human Service Agency — 3 hrs.

Marketing strategies in implementing the exchange relationship between nonprofit organizations and their constituents. (Variable)

LYHS 6406 (430:253). 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)

LYHS 6408 (430:251). 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)

LYHS 6410 (430:220). 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)

LYHS 6412 (430:250). Management Issues in Leisure, Youth and Human Services — 3 hrs.

Study of management and administration issues in relation to leisure, youth and human service agencies. (Variable)

LYHS 6414 (430:241). 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)

LYHS 6416 (430:244). 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)

LYHS 6418 (430:256). 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)

LYHS 6420 (430:249). Trends and Issues in Philanthropy/Nonprofit Development — 3 hrs.

Provides a forum for students to learn about and explore the latest trends in giving and nonprofit management. Content will reflect emerging practices and conditions in areas including organizational development, non-traditional revenue sources, donor needs, technology, and professional practice. Prerequisite(s): admission into the Philanthropy and Nonprofit Development graduate program or consent of instructor. (Variable)

Library Courses (LIBRARY) Courses

LIBRARY 1000Z. Library Course — 1 hr.

Library Course (Fall and Spring)

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)

Literacy Education Courses (LITED) Courses

LITED 1044 (230:044). 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)

Course Descriptions

LITED 3115 (230:115). 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 (230:044). Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall, Spring, Summer)

LITED 3116 (230:116). 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 (210:152g) or ELEMECML 4151/5151 (210:151g); LITED 1044 (230:044); junior standing. Requires admission to teacher education program. Prerequisite(s) or corequisite(s): LITED 3115 (230:115); must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall, Spring, Summer)

LITED 3119/5119 (230:119). 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. Prerequisite(s): LITED 1044 (230:044) and one of the following: LITED 3115 (230:115), LITED 3116 (230:116) or LITED 4117/5117 (230:117g) 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 (230:119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Variable)

LITED 3121/5121 (230:121). 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 (230:044); junior standing. Students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered LITED 3119/5119 (230:119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Variable)

LITED 4117/5117 (230:117g). 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 (230:044) or ENGLISH 4940/5940 (620:165g); LITED 3115 (230:115), LITED 3116 (230:116), or LITED 4117/5117 (230:117g); LITED 3119/5119 (230:119) or LITED 3121/5121 (230:121) or TESOL 4510/5510 (630:165g); 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 (230:119) 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, Spring, Summer)

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 (230:044) or ENGLISH 4940/5940 (620:165g)/5940; LITED 3115 (230:115), LITED 3116 (230:116), or LITED 4117/5117 (230:117g); LITED 3119/5119 (230:119) or LITED 3121/5121 (230:121); 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 (230:119) 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, Spring, Summer)

LITED 4155/5155 (230:155g). 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 Education Minor, students must earn a grade of B- (2.67) or above in Literacy Education minor courses numbered LITED 3119/5119 (230:119) 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, Spring, Summer)

LITED 4193/5193 (230:193g). 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 (230:119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Fall, Spring, Summer)

LITED 6212 (230:212). 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 (230:238). 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 (230:239). Advanced Literacy Studies — 3 hrs.

Students locate, read, examine, analyze, and evaluate a variety of historical and contemporary literacy research pieces; make plans for research studies and write literature reviews, conference and grant proposals. Prerequisite(s): graduate standing or consent of instructor. (Variable)

LITED 6240 (230:240). 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 (230:245). 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 (230:044) or consent of instructor. (Variable)

LITED 6260 (230:260). 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 (230:289). 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 (230:290). 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 (230:299). 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. (Spring)

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. (Fall)

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. (Spring)

LITED 7302 (230:302). 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. (Fall)

LITED 7303 (230:303). 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 (230:302). 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. (Spring)

LITED 7304 (230:304). 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 (230:305). 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

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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 (230:304) course. (Spring)

LITED 7306 (230:306). 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 (230:307). 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 (230:307). 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 (230:354). 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 (210:352). (Variable)

LITED 7386. Studies in Comprehensive Intervention — 3 hrs.

Studies in Comprehensive Intervention

LITED 7389 (230:389). 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 (230:397). 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 (150:032). 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 (150:080). (Fall and Spring)

MGMT 2034 (150:034). 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 (150:032); MGMT 2080 (150:080). (Fall and Spring)

MGMT 2080 (150:080). 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, Spring, Summer)

MGMT 2091 (150:091). Introduction to Curriculum and Methods for Business Education — 1 hr.

Introduction to secondary level business curriculum. (Fall)

MGMT 3100 (150:100). 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, Spring, Summer)

MGMT 3101 (150:101). Business Law — 3 hrs.

Study of the common law of contracts and Article II of the Uniform Commercial Code. Prerequisite(s): junior standing. (Fall)

MGMT 3112 (150:112). 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 (150:032); junior standing. (Spring)

MGMT 3113 (150:113). Business Communication — 3 hrs.

Introduction to communication skills expected in a general business environment, including interpersonal, group, presentational, electronic, non-verbal and written communication, as well as techniques for adjusting to the communication culture of U.S. business organizations. Prerequisite(s): ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015); junior standing. (Variable)

MGMT 3117 (150:117). 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; EDPSYCH 2030 (200:030); TEACHING 3128; EDPSYCH 3148 (200:148); MEASRES 3150 (250:150) (Level II of Professional Education Sequence); junior standing. Corequisite(s): MGMT 3191 (150:191). (Spring)

MGMT 3120 (150:120). 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 (150:032); MGMT 2034 (150:034); MGMT 2080 (150:080); junior standing. Prerequisite(s) or corequisite(s): MGMT 3112 (150:112). (Fall)

MGMT 3125 (150:125). 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 (150:032); MGMT 2034 (150:034); MGMT 2080 (150:080); MGMT 3112 (150:112); MGMT 3120 (150:120); junior standing. (Spring)

MGMT 3127 (150:127). 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 (150:032); MGMT 2034 (150:034); MGMT 2080 (150:080); MGMT 3112 (150:112); MGMT 3153 (150:153); junior standing. (Variable)

MGMT 3128 (150:128). 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 (150:032); MGMT 2034 (150:034); MGMT 2080 (150:080); junior standing. (Variable)

MGMT 3140 (150:140). 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 (150:032); MGMT 2034 (150:034); MGMT 2080 (150:080); MGMT 3112 (150:112); junior standing. Prerequisite(s) or corequisite(s): MGMT 3120 (150:120). (Fall)

MGMT 3145 (150:145). 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 (150:080) or equivalent; junior standing. (Spring)

MGMT 3153 (150:153). Organizational Management — 3 hrs.

Study of contemporary organizational concepts and issues and their practical implications for managerial behavior. Prerequisite(s): junior standing. (Fall, Spring, Summer)

MGMT 3154 (150:154). 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 (120:030); MGMT 2080 (150:080); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1011 (920:070); 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 3153 (150:153). (Spring)

MGMT 3161 (150:161). 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 (120:030); ACCT 2130 (120:031); MGMT 2080 (150:080); MGMT 3153 (150:153); MGMT 3154 (150:154); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. (Fall)

MGMT 3163 (150:163). Managerial 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 3153 (150:153); junior standing. (Fall and Spring)

MGMT 3164 (150:164). Quality and Process Improvement — 3 hrs.

Management and improvement of product/service quality and organizational processes. Topics include quality management programs; total quality management; statistical process control;

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business process design; reengineering; benchmarking; and best practices research. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); MGMT 2080 (150:080); MGMT 3153 (150:153); MGMT 3154 (150:154); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1011 (920:070); junior standing. (Fall)

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 (920:070); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); 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 (150:154); ACCT 2120 (120:030); ACCT 2130 (120:031); MGMT 2080 (150:080); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1011 (920:070); 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 (120:030); ACCT 2130 (120:031); MKTG 2110 (130:101); MGMT 2080 (150:080); MGMT 3154 (150:154); STAT 1772 (800:072) or equivalent; ECON 1011 (920:070); ECON 1021 (920:020); ECON 1041 (920:053); ECON 1051 (920:054); 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 (920:070) and ECON 1021 (920:020); admittance to College of Business Administration; junior standing. (Summer)

MGMT 3170 (150:170). Special Problems — 1-3 hrs.

Credit determined at registration. Student will choose one of the following areas: 1. (Fall, Spring, Summer)

MGMT 3179 (150:179). 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 3181. Communication and Financial Literacy in Business — 3 hrs.

Introduction to basic communication expected in a business environment including nonverbal, written, oral and presentational skills. These skills will focus on the essential concepts of financial literacy as identified in the Iowa Code. Prerequisite(s): ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015); junior standing; CBA admittance. (Spring)

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 3153 (150:153); junior standing. (Fall and 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. Prerequisite(s): MGMT 3153 (150:153). (Fall and Spring)

MGMT 3187 (150:187). Organization Structure and Design — 3 hrs.

Study of organizing processes and macro-social forces that shape them. Emphasis is given to elements of organization, how they shape collective action, and their implications for organization functioning and effectiveness. Prerequisite(s): MGMT 3153 (150:153); ECON 1041 (920:053); ECON 1051 (920:054); junior standing. (Variable)

MGMT 3189 (150:189). 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 (130:101); MGMT 3153 (150:153); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall and Spring)

MGMT 3191 (150:191). 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; EDPSYCH 2030 (200:030); TEACHING 3128; EDPSYCH 3148 (200:148); MEASRES 3150 (250:150) (Level II of the Professional Education Sequence); junior standing. Corequisite(s): MGMT 3117 (150:117). Prerequisite(s) or corequisite(s): MGMT 2091 (150:091). (Spring)

MGMT 3905/5905 (150:105g). 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 (150:100) or MGMT 3101 (150:101) or equivalent; junior standing. (Fall)

MGMT 3965/5965 (150:165g). 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): MGMT 3153 (150:153); junior standing. (Fall and Spring)

MGMT 3966/5966 (150:166g). 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 3153 (150:153); MGMT 3155; junior standing. (Fall)

MGMT 3968/5968 (150:168g). 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 3153 (150:153); MGMT 3155; junior standing. (Spring)

MGMT 3969/5969 (150:169g). 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 (150:174g). 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 (150:100); junior standing. (Fall and Spring)

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 3153 (150:153); junior standing. (Spring)

MGMT 4175 (150:175). Business Policy and Strategy — 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 (120:030); ACCT 2130 (120:031); MKTG 2110 (130:101); MGMT 2080 (150:080); MGMT 3100 (150:100); MGMT 3153 (150:153); MGMT 3154 (150:154); FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); senior standing. (Fall, Spring, Summer)

MGMT 6249 (150:249). 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. (MBA Module II - begins mid-November and ends mid-February)

MGMT 6250 (150:250). Strategic Planning and Organization Analysis — 3 hrs.

Analysis of business organization, its environment, and the strategic planning function. Should be taken in first semester of study. Prerequisite(s): consent of MBA Director. (MBA Module I - begins late August and ends mid-November)

MGMT 6260 (150:262). 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): MGMT 3153 (150:153) or equivalent; consent of MBA Director. (MBA Module III - begins mid-February and ends early May)

MGMT 6262 (150:272). Cross-Functional Operations — 3 hrs.

Analysis and design of business operational decisions in complex production and service environments. Prerequisite(s): consent of MBA Director. (MBA Module III - begins mid-February and ends early May)

MGMT 6272 (150:274). 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. (MBA Module I - begins late August and ends mid-November)

MGMT 6276 (150:276). Business Capstone Experience — 1 hr.

Analyze, solve, and present a solution to a complex, interdisciplinary business problem. Prerequisite(s): consent of MBA Director. (MBA Module III - begins mid-February and ends early May)

MGMT 6285 (150:285). Individual Readings — 1-3 hrs.

Directed readings and reports. May be repeated for maximum of 4 hours. Prerequisite(s): consent of MBA Director. (MBA Modules I, II, and III)

MGMT 6299 (150:299). Research — 1-6 hrs.

Prerequisite(s): consent of MBA Director. (MBA Modules I, II, and III)

Marketing Courses (MKTG)

Courses

MKTG 2110 (130:101). 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 (920:024) or ECON 1041 (920:053). (Fall, Spring, Summer)

MKTG 3113/5113 (130:106g). 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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall, Spring, Summer)

MKTG 3116/5116 (130:108g). Marketing Research — 3 hrs.

Procedures used in defining a marketing problem and conducting research necessary for its proper analysis, interpretation and presentation of research findings in a marketing management decision-making context. Prerequisite(s): MKTG 2110 (130:101); MGMT 2080 (150:080); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1031 (920:024) or ECON 1041 (920:053); ECON 1011 (920:070); junior standing. (Fall and Spring)

MKTG 3143 (130:150). 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 (130:101);

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ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall and Spring)

MKTG 3146 (130:160). Digital Advertising — 3 hrs.

Immersive hands-on study of digital advertising techniques and strategies in traditional, social media, and mobile marketing, including the use of digital analytical tools to measure success. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall and Spring)

MKTG 3153 (130:153). Personal 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, role-plays, and presentations. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall and Spring)

MKTG 3154. Sales Management — 3 hrs.

Study of sales management including territory management, ethical expectations, hiring, selection training, motivation rewards, coaching, and sales planning; extensive use of sales exercises including manager-sales person role-plays and executive presentations. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall and Spring)

MKTG 3156 (130:178). Services Marketing — 3 hrs.

Issues concerning quality customer service and improving business and non-profit strategies in the services industry. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall and Spring)

MKTG 3163 (130:161). 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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall)

MKTG 3166 (130:166). 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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Spring)

MKTG 3173 (130:131). New Product Management — 3 hrs.

Understanding the principles concepts of new product development, the strategic importance of new products to companies and managing new product development from idea generation through commercialization. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall)

MKTG 3176/5176 (130:177g). 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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall and Spring)

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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall and Spring)

MKTG 3179 (130:179). 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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); UNI cumulative GPA of 2.50 or better; consent of department head. (Fall, Spring, Summer)

MKTG 3583/5583 (130:170g). Entrepreneurship — 3 hrs.

Exploration of entrepreneurial qualities; opportunity assessment; new venture strategic planning and contemporary environmental issues; developing a business plan. No credit if credit previously earned in 130:172 Venture Opportunity Analysis. Prerequisite(s): BUSINESS 2010 (100:040) or (ACCT 2120 (120:030); ACCT 2130 (120:031); prerequisite or corequisite FIN 3130/5130 (160:151g); STAT 1772 (800:072) or equivalent, and ECON 1011 (920:070); MKTG 2110 (130:101); ECON 1031 (920:024) or (ECON 1041 (920:053) and ECON 1051 (920:054)); junior standing. (Fall)

MKTG 3586/5586 (130:175g). Entrepreneurial Strategy — 3 hrs.

Procedures for planning, budgeting, managing and marketing in the start-up and growth phases of a new venture; experiential learning project. No credit if credit previously earned in 130:173 (Venture Strategy). Prerequisite(s): BUSINESS 2010 (100:040) or both ACCT 2120 (120:030) and ACCT 2130 (120:031). Prerequisite(s) or corequisite(s): FIN 3130/5130 (160:151g); STAT 1772 (800:072) (or equivalent) and ECON 1011 (920:070); MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053), and ECON 1051 (920:054); junior standing. (Spring)

MKTG 3595 (130:142). 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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); 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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); MKTG 3143 (130:150) or MKTG 3146 (130:160) or Instructor approval; junior standing. (Spring)

MKTG 4170/5170 (130:191g). 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 (130:101); MKTG 3113/5113 (130:106g); MKTG 3116/5116 (130:108g); MGMT 2080 (150:080); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1031 (920:024) or ECON 1041 (920:053); ECON 1011 (920:070); senior standing. (Fall and Spring)

MKTG 4198 (130:198). 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 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing; consent of department head. (Fall, Spring, Summer)

MKTG 4595 (130:169). 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 (130:101);

MKTG 3113/5113 (130:106g); MKTG 3116/5116 (130:108g); MGMT 2080 (150:080); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1031 (920:024) or ECON 1041 (920:053); ECON 1011 (920:070); UNI cumulative GPA of 2.50 or better; senior standing; consent of department head. (Fall, Spring, Summer)

MKTG 6170 (130:263). 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. (Fall)

MKTG 6285 (130:285). 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 (130:297). Practicum — 1-3 hrs.

Prerequisite(s): consent of department head and MBA Director. (Fall, Spring, Summer)

MKTG 6299 (130:299). Research — 1-6 hrs.

Prerequisite(s): consent of department head and MBA Director. (Fall, Spring, Summer)

MKTG 6595 (130:280). 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. Successful completion will satisfy the university's high school mathematics requirement. Does not count toward minimum hours required for baccalaureate degree. (Fall)

MATH 1100 (800:023). 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 (800:043). 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 (800:046) or MATH 1120 (800:056). Prerequisite(s): Satisfactory score on ALEKS exam. (Fall and Spring)

MATH 1120 (800:056). 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 (800:043) or MATH 1140 (800:046). Prerequisite(s): Satisfactory score on ALEKS exam. (Fall and Spring)

MATH 1130 (800:044). 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 (800:046). Prerequisite(s): Satisfactory score on ALEKS exam. (Fall and Spring)

MATH 1140 (800:046). 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 (800:043) or MATH 1120 (800:056), and to 2 hours for students with credit in MATH 1130 (800:044). Prerequisite(s): Satisfactory score on ALEKS exam. (Fall and Spring)

MATH 1150 (800:048). 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 1204. Mathematical Reasoning for Elementary Teachers I — 3 hrs.

Mathematics as problem solving, communication, connections, and reasoning. Includes whole numbers, rational numbers, percent, and operations. Activities investigating these topics connect to elementary school mathematics. Primarily for education majors. (Fall and Spring)

MATH 1310 (800:096). 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 (800:060). (Spring)

MATH 1420 (800:060). 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 (800:061). Calculus II — 4 hrs.

Integration techniques, sequences and series, applications. Prerequisite(s): C- or better in MATH 1420 (800:060). (Fall and Spring)

MATH 1900 (800:090). 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. Prerequisite(s): admitted to Teacher Education. (Spring)

MATH 2422 (800:062). Calculus III — 4 hrs.

The derivatives and integrals of multi-variable functions and their applications; Gauss', Green's, and Stokes' theorems. Prerequisite(s):

Course Descriptions

for Mathematics majors and minors: C- or better in MATH 1421 (800:061) and MATH 2500 (800:076). Prerequisites for non-Mathematics majors and minors: C- or better in MATH 1421 (800:061); MATH 2500 (800:076) or consent of department. (Fall and Spring)

MATH 2500 (800:076). 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 (800:060). (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 (800:060). (Fall)

MATH 3203 (800:134). 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 (800:111g). Introduction to Algebraic Thinking for Elementary Teachers — 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 3212/5212 (800:112g). 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 3213/5213 (800:113g). 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 1150; MATH 3204; junior standing. (Fall and Spring)

MATH 3214/5214 (800:114g). 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): MATH 3203 (800:134); at least one of MATH 3211 (800:111g), MATH 3212/5212 (800:112g), MATH 3213/5213 (800:113g); junior standing. (Fall and Spring)

MATH 3215 (800:192). Mathematics for Elementary Students with Special Needs — 1 hr.

Assessing, designing, and providing appropriate mathematical tasks for students with special needs. Prerequisite(s): MATH 3203 (800:134) or MATH 3304 (800:190); junior standing. Prerequisite(s) or corequisite(s): MATH 3214/5214 (800:114g). (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. Prerequisite(s): TEACHING 3128; EDPSYCH 3148 (200:148); MEASRES 3150 (250:150); MATH 3600/5600 (800:166g); MATH 4500/5500 (800:160g). Corequisite(s): MATH 3304 (800:190). (Fall)

MATH 3304 (800:190). 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. Prerequisite(s): TEACHING 3128; EDPSYCH 3148 (200:148); MEASRES 3150 (250:150); MATH 4500/5500 (800:160g); MATH 3610/5610 (800:165g) or MATH 3600/5600 (800:166g); MATH 2303. (Fall)

MATH 3305 (800:183). 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): 6 hours of 100/3000/4000-level courses in mathematics. Corequisite(s): EDPSYCH 3148 (200:148); MEASRES 3150 (250:150). Prerequisite(s) or corequisite(s): EDPSYCH 2030 (200:030); TEACHING 2017; TEACHING 3128; MATH 2303. (Spring)

MATH 3313. 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): MATH 2303. (Fall)

MATH 3410/5410 (800:142g). 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 (800:061); MATH 2500 (800:076); junior standing. (Even Springs)

MATH 3425/5425 (800:149g). 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 (800:062); MATH 2500 (800:076); junior standing. (Odd Falls)

MATH 3430/5430 (800:150g). 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 (800:149g); junior standing. (Even Springs)

MATH 3440/5440 (800:176g). 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 (800:061); MATH 2500 (800:076); CS 1130 (810:030) or CS 1160 (810:036) or CS 1510 (810:051) or equivalent; junior standing. (Odd Falls)

MATH 3530/5530 (800:143g). 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 (800:060) or CS 1800 (810:080); junior standing. (Fall and Spring)

MATH 3600/5600 (800:166g). 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 (800:060) or equivalent; junior standing. (Fall and Spring)

MATH 3610/5610 (800:165g). 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 (800:166g); junior standing. (Even Springs)

MATH 3630/5630 (800:155g). Differential Geometry — 3 hrs.

Analytic study of curves and surfaces in three-dimensional Euclidean space. Prerequisite(s): MATH 2422 (800:062); MATH 2500 (800:076); junior standing. (Odd Springs)

MATH 3640/5640 (800:180g). History of Mathematics: To the Calculus — 3 hrs.

Survey of mathematical activities of humankind in numeration and number systems, algebra, and number theory, 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. (Fall)

MATH 3751 (800:173). 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 (800:072). Prerequisite(s): MATH 1421 (800:061). (Same as STAT 3751) (Spring)

MATH 3752/5752 (800:152g). 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 (800:061); junior standing. (Same as STAT 3752/5752 (800:152g)) (Fall and Spring)

MATH 3780/5780 (800:145g). 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 (800:060); junior standing. (Same as ACT SCI 3780/5780 (800:145g)) (Spring)

MATH 4198 (800:198). Independent Study.

(Variable)

MATH 4420/5420 (800:140g). 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 (800:062); MATH 2500 (800:076); MATH 2900 or consent of the instructor; junior standing. (Fall)

MATH 4421/5421 (800:141g). Advanced Calculus II — 3 hrs.

Riemann integration; sequences and series of functions; introduction to Lebesgue integration. Prerequisite(s): MATH 4420/5420 (800:140g); junior standing. (Spring)

MATH 4460/5460 (800:156g). 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 (800:062); junior standing. (Odd Springs)

MATH 4500/5500 (800:160g). 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 (800:076); MATH 2900; junior standing. (Fall and Spring)

MATH 4501/5501 (800:162g). 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 (800:160g); junior standing. (Spring)

MATH 4510/5510 (800:144g). 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. (Falls and Even Springs)

MATH 4615/5615 (800:189g). 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 (800:076); MATH 3610/5610 (800:165g) or MATH 3600/5600 (800:166g); junior standing. (Fall)

MATH 4641/5641 (800:167g). 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 (800:062); MATH 2500 (800:076); junior standing. (Odd Springs)

Course Descriptions

MATH 4900 (800:194). 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 (800:195). 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 (800:220). New Developments in 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. Prerequisite(s): consent of department. (Variable)

MATH 6203 (800:222). Contemporary Assessment in Mathematics Education I — 2 hrs.

Study of strategies and practices for assessing students' thinking and performance. Multiple forms of quality assessment with an emphasis on formative assessment, aligning assessment to instruction, and interpreting evidence. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6204 (800:191g). Contemporary Mathematics Curricula — 2 hrs.

Study and evaluation of innovative curriculum materials. Focus on application to classroom practice and planning for change for a selected topic. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6205 (800:215). 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 (800:220) or consent of department. (Variable)

MATH 6207 (800:221). Mathematics Literacy in an Information Age — 2 hrs.

Examination of applications and contributions of mathematics to other disciplines, the workplace, personal lives, and society. Investigation of shifting conceptions of mathematics and mathematics literacy in today's world. Diverse uses of mathematics illustrated. Prerequisite(s): MATH 6201 (800:220); MATH 6224 (800:236); MATH 6226 (800:238). (Variable)

MATH 6208. Contemporary Assessment in Mathematics Education II — 1 hr.

Focus on assessment design for classroom use and development of an assessment scheme. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6210 (800:237). Technology in Middle Grades Mathematics — 1 hr.

Uses of technology in teaching and learning mathematics. Examination of research related to incorporating technology in the teaching of mathematics. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6212 (800:211). Algebraic Content and Pedagogy for Teachers — 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. Prerequisite(s): consent of department. (Summer)

MATH 6215. Geometric Content and Pedagogy for Teachers — 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. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6224 (800:236). Mathematics for the Middle Grades Teachers I — 3 hrs.

Integrated, historical, and cultural study of development and structure of quantity, data, and chance. Focus on mathematical ways of knowing and verification. (Variable)

MATH 6226 (800:238). Mathematics for the Middle Grades Teacher II — 3 hrs.

Integrated, historical, and cultural study of development and structure of patterns, functions, relationships, and shapes. Focus on ways of knowing and verification. Prerequisite(s): MATH 6224 (800:236). (Variable)

MATH 6230. Reflective Teaching-Cognitive Demand of Mathematical Tasks — 1 hr.

Students will critically reflect on classroom practice with the focus on cognitive demand of mathematical tasks. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6231. Reflective Teaching-Classroom Discourse — 1 hr.

Students will critically reflect on classroom practice with the focus on classroom discourse. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6232. Reflective Teaching: Meaningful Distributed Instruction — 1 hr.

Students will critically reflect on classroom practice with the focus on meaningful distributed instruction. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6234. Reflective Teaching: Leadership — 1 hr.

Students will critically reflect on classroom practice with the focus on leadership in mathematics education. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6235. Reflective Teaching: Investigation of Classroom Practice — 1 hr.

Students will critically reflect on classroom practice with the focus on instruction. Prerequisite(s): MATH 6201 (800:220) or consent of department. (Variable)

MATH 6299 (800:299). Research.

Prerequisite(s): consent of department. (Variable)

MATH 6370 (800:270). 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 (800:072), MATH 3751 (800:173) or consent of instructor. (Fall and Spring)

MATH 6371 (800:271). 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 (800:072) or MATH 3751 (800:173) or consent of instructor. (Variable)

MATH 6380 (800:280). Mathematics at the Secondary Level — 1-3 hrs.

History of secondary mathematics in the U.S. Overview of the most recent reform movement in mathematics education; its effect on the teaching and learning of high school mathematics. May be repeated on different topics for up to 3 hours of credit. Prerequisite(s): graduate standing in mathematics. (Variable)

MATH 6381 (800:281). 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 (800:220) 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 (800:201). Mathematical Analysis I — 3 hrs.

Set theory; the real number system; Lebesgue measure; Lebesgue integral. Prerequisite(s): MATH 4420/5420 (800:140g). Corequisite(s): MATH 4421/5421 (800:141g) or consent of instructor. (Odd Springs)

MATH 6421 (800:202). Mathematical Analysis II — 3 hrs.

Differentiation and integration; classical Banach spaces; metric spaces; general measure and integration theory. Prerequisite(s): MATH 6420 (800:201). (Spring)

MATH 6460 (800:203). 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 (800:140g); MATH 4460/5460 (800:156g); or consent of instructor. (Spring)

MATH 6461 (800:204). Complex Analysis II — 3 hrs.

Analytic continuation; harmonic functions; entire functions; conformal mapping; selected applications. Prerequisite(s): MATH 6460 (800:203). (Variable)

MATH 6500 (800:240). 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 (800:160g). Corequisite(s): MATH 4501/5501 (800:162g) or consent of instructor. (Fall)

MATH 6501 (800:241). 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 (800:240). (Spring)

MATH 6510 (800:210). Theory of Numbers — 3 hrs.

Mathematical study of integers: induction, divisibility, prime numbers, congruences, quadratic reciprocity, multiplicative functions. (Variable)

MATH 6530 (800:243). 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 (800:143g) or MATH 4500/5500 (800:160g). (Variable)

MATH 6640 (800:246). 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 (800:180g). (Variable)

MATH 6650 (800:263). 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 (800:267). 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 (800:076); MATH 4500/5500 (800:160g); MATH 3610/5610 (800:165g) or MATH 3600/5600 (800:166g). (Variable)

MATH 6745 (800:250). 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 (800:062); MATH 2500 (800:076). (Fall and Spring)

MATH 6746 (800:251). 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 (800:062); MATH 2500 (800:076), MATH 3752/5752 (800:152g). (Same as STAT 6746) (Fall and Spring)

MATH 6747 (800:252). 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 (800:062); STAT 1772 (800:072). (Same as STAT 6747) (Fall and Spring)

MATH 6748 (800:253). 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

Course Descriptions

systems, polling systems in computer networks, handoff schemes in cellular mobile networks; computational package MATLAB. Prerequisite(s): MATH 2422 (800:062); MATH 2500 (800:076); MATH 3752/5752 (800:152g). (Same as STAT 6748) (Fall and Spring)

MATH 6779 (800:273). 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 (800:275). 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 (250:150). 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. Prerequisite(s): TEACHING 2017; EDPSYCH 2030 (200:030). Registration requires full admission to the Teacher Education Program. Must have a cumulative 2.50 gpa or higher to enroll in this course. Physical Education majors may substitute PEMES 3174 (420:174) for MEASRES 3150 (250:150). Music Education majors will be waived from MEASRES 3150 (250:150). Prerequisite(s) or corequisite(s): TEACHING 3128; EDPSYCH 3148 (200:148). (Fall, Spring, Summer)

MEASRES 4181/5181 (250:181g). 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 (200:148); MEASRES 3150 (250:150) or equivalent; junior standing. (Variable)

MEASRES 6205 (250:205). 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 (250:205). (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 (250:270). 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 (250:205). (Variable)

MEASRES 6281 (250:281). 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 (250:282). 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 (250:283). 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 (250:284). 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 (250:285). 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 (250:289). Seminar in Evaluation and Research. (Variable)

MEASRES 6299 (250:299). Research.

Prerequisite(s): consent of department. (Variable)

MEASRES 7310 (250:310). 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 (190:303); INTDEPED 7314; INTDEPED 7316; consent of department. (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 (190:303), INTDEPED 7314, INTDEPED 7316, INTDEPED 7389 (190:389). (Variable)

Military Science Courses (MIL SCI)

Basic Courses - MIL SCI 1091 (080:091) through MIL SCI 1098 (080:098)

Advanced Courses - MIL SCI 3116 (080:116) through MIL SCI 3192 (080:192)

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 (080:091). 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 (080:092). 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 (080:094). 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 (080:093). 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 (080:095). 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 (080:098). 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 (080:116). 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 (080:117). 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 (080:118). 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 (080:119). 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 (080:189). 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)

Course Descriptions

MIL SCI 3192 (080:192). 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)

Music Courses (MUSIC)

Courses

MUSIC 1100 (520:010). Soundscapes: Music in Culture — 3 hrs.

Investigation of representative works from a chosen musical tradition, examined in cultural and historical context. Cultivation of listening skills and exploration of analytical and aesthetic concepts that enrich musical experience, generally. (Fall, Spring, Summer)

MUSIC 6299 (520:299). Research.

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 1XX5 (540:Nxx), 540:0xx/1xx0, 540:1xx/3xx0/5xx0, or 540:2xx/6xx0) by audition and/or previous work on an instrument or in voice. A 200/6000-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 either 540:1xxg/5000-level or 540:0xx/1xx0.

Courses

MUS APPL 1290 (540:029). Bassoon.

(Fall and Spring)

MUS APPL 1300 (540:030). Flute.

(Fall and Spring)

MUS APPL 1310 (540:031). Oboe.

(Fall and Spring)

MUS APPL 1320 (540:032). Clarinet.

(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 (540:034). Saxophone.

(Fall and Spring)

MUS APPL 1350 (540:035). Horn.

(Fall and Spring)

MUS APPL 1360 (540:036). Cornet-Trumpet.

(Fall and Spring)

MUS APPL 1370 (540:037). Trombone.

(Fall and Spring)

MUS APPL 1380 (540:038). Euphonium.

Euphonium (Fall and Spring)

MUS APPL 1390 (540:039). Tuba.

(Fall and Spring)

MUS APPL 1400 (540:040). Percussion.

(Fall and Spring)

MUS APPL 1410 (540:041). Violin.

(Fall and Spring)

MUS APPL 1420 (540:042). Viola.

(Fall and Spring)

MUS APPL 1430 (540:043). Cello.

(Fall and Spring)

MUS APPL 1440 (540:044). String Bass.

(Fall and Spring)

MUS APPL 1450 (540:045). Harp.

(Fall and Spring)

MUS APPL 1460 (540:046). Piano.

(Fall and Spring)

MUS APPL 1467 (540:P46). Piano Proficiency.

no credit. Required of all undergraduate majors. (Fall and Spring)

MUS APPL 1470 (540:047). Group Piano.
(Fall and Spring)

MUS APPL 1480 (540:048). Organ.
(Fall and Spring)

MUS APPL 1490 (540:049). Voice.
(Fall and Spring)

MUS APPL 1500 (540:050). Harpsichord.
(Fall and Spring)

MUS APPL 1520 (540:052). Guitar.
(Fall and Spring)

MUS APPL 1530 (540:053). Jazz Guitar.
(Fall and Spring)

MUS APPL 1540 (540:054). Composition.
(Fall and Spring)

MUS APPL 1550 (540:055). Jazz Improvisation.
(Fall and Spring)

MUS APPL 1560 (540:056). Jazz Bass.
(Fall and Spring)

MUS APPL 1570 (540:057). Jazz Piano.
(Fall and Spring)

MUS APPL 1580 (540:058). Jazz Saxophone.
(Fall and Spring)

MUS APPL 1XX5 (540:Nxx). 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 (540:060). 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 (540:047):09 or 10. (Fall and Spring)

MUS APPL 3290/5290 (540:129g). Bassoon.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3300/5300 (540:130g). Flute.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3310/5310 (540:131g). Oboe.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3320/5320 (540:132g). Clarinet.
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 (540:134g). Saxophone.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3350/5350 (540:135g). Horn.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3360/5360 (540:136g). Cornet Trumpet.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3370/5370 (540:137g). Trombone.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3380/5380 (540:138g). Euphonium.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3390/5390 (540:139g). Tuba.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3400/5400 (540:140g). Percussion.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3410/5410 (540:141g). Violin.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3420/5420 (540:142g). Viola.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3430/5430 (540:143g). Cello.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3440/5440 (540:144g). String Bass.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3450/5450 (540:145g). Harp.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3460/5460 (540:146g). Piano.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3470/5470 (540:147g). Group Piano.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3480/5480 (540:148g). Organ.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3490/5490 (540:149g). Voice.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3500/5500 (540:150g). Harpsichord.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3520/5520 (540:152g). Guitar.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3530/5530 (540:153g). Jazz Guitar.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3540/5540 (540:154g). Composition.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3550/5550 (540:155g). Jazz Improvisation.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3560/5560 (540:156g). Jazz Bass.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3570/5570 (540:157g). Jazz Piano.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3580/5580 (540:158g). Jazz Saxophone.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3780 (540:178). Junior Recital.
no credit. Required of all juniors in the Performance major. (Fall and Spring)

MUS APPL 4890 (540:189). 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 (540:221). Instrumental Conducting — 2-4 hrs.
Prerequisite(s): admission to Master of Music in Conducting. (Variable)

Course Descriptions

MUS APPL 6220 (540:222). Choral Conducting — 2-4 hrs.

Prerequisite(s): admission to Master of Music in Conducting.
(Variable)

MUS APPL 6285. Readings.

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 (540:229). Bassoon.

(Fall and Spring)

MUS APPL 6300 (540:230). Flute.

(Fall and Spring)

MUS APPL 6310 (540:231). Oboe.

(Fall and Spring)

MUS APPL 6320 (540:232). Clarinet.

(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 (540:234). Saxophone.

(Fall and Spring)

MUS APPL 6350 (540:235). Horn.

(Fall and Spring)

MUS APPL 6360 (540:236). Cornet-Trumpet.

(Fall and Spring)

MUS APPL 6370 (540:237). Trombone.

(Fall and Spring)

MUS APPL 6380 (540:238). Euphonium.

(Fall and Spring)

MUS APPL 6390 (540:239). Tuba.

(Fall and Spring)

MUS APPL 6400 (540:240). Percussion.

(Fall and Spring)

MUS APPL 6410 (540:241). Violin.

(Fall and Spring)

MUS APPL 6420 (540:242). Viola.

(Fall and Spring)

MUS APPL 6430 (540:243). Cello.

(Fall and Spring)

MUS APPL 6440 (540:244). String Bass.

(Fall and Spring)

MUS APPL 6450 (540:245). Harp.

(Fall and Spring)

MUS APPL 6460 (540:246). Piano.

(Fall and Spring)

MUS APPL 6470 (540:247). Group Piano.

(Fall and Spring)

MUS APPL 6480 (540:248). Organ.

(Fall and Spring)

MUS APPL 6490 (540:249). Voice.

(Fall and Spring)

MUS APPL 6500 (540:250). Harpsichord.

(Fall and Spring)

MUS APPL 6520 (540:252). Guitar.

(Fall and Spring)

MUS APPL 6530 (540:253). Jazz Guitar.

(Fall and Spring)

MUS APPL 6540 (540:254). Composition.

(Fall and Spring)

MUS APPL 6550 (540:255). Jazz Improvisation.

(Fall and Spring)

MUS APPL 6560 (540:256). Jazz Bass.

(Fall and Spring)

MUS APPL 6570 (540:257). Jazz Piano.

(Fall and Spring)

MUS APPL 6580 (540:258). Jazz Saxophone.

(Fall and Spring)

MUS APPL 6880 (540:288). 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 (570:010). Instrumental Techniques — 1 hr.

Areas: flute, clarinet and saxophone, double reeds, 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 (570:050). 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 (570:075). 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 (570:101). 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 (570:102). 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 (570:103). 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 3300/5300 (570:130g). Vocal Pedagogy — 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 (570:138g). 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 (570:010) or teaching experience; junior standing. (Variable)

MUS ED 3410 (570:141). 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 (570:050) with grade of C or higher; junior standing or consent of instructor. (Variable)

MUS ED 3450/5450 (570:145g). Developments and Trends in Music Education — 3 hrs.

Evolving issues important to music educators. May be repeated for credit. Prerequisite(s): MUS ED 1500 (570:050); junior standing. (Variable)

MUS ED 3480/5480 (570:148g). 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 3630 (570:163). Instrumental Methods III: School Administration — 1 hr.

Provides students with the necessary information to help them work successfully with administrators, other teachers, community members, parents, and students in the K-12 school setting. Prerequisite(s): MUS ED 1500 (570:050) with grade of C or higher; junior standing. (Fall)

MUS ED 3640 (570:164). Instrumental Methods IV: 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 (570:050) with grade of C or higher; junior standing. (Spring)

MUS ED 3650 (570:165). Choral Methods and Materials — 3 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 (570:050) with grade of C or higher; junior standing or consent of instructor. (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 (570:050) (with a grade of C or higher), MUS TECH 1210 (560:021) (with a grade of C or higher), 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 (570:050) (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 (570:050) (with grade of C or higher). (Spring)

MUS ED 3970/5970 (570:197g). 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 4133. Workshop: Popular Music Pedagogy — 1 hr.

Workshop: Popular Music Pedagogy

MUS ED 4161 (570:161). Instrumental Methods I: Strings — 1 hr.

String methods and pedagogy for lessons and ensembles in a K-12 setting. Prerequisite(s): MUS ED 1100 (570:010) section 06 or 07; MUS ED 1500 (570:050) with grade of C or higher; junior standing. (Spring)

MUS ED 4162 (570:162). Instrumental Methods II: Marching Band — 1 hr.

Fundamentals training, music selection and arranging, administrative approaches, and drill charting for school marching bands. Prerequisite(s): MUS ED 1500 (570:050) with grade of C or higher; junior standing. (Fall)

MUS ED 6210 (570:221). 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 (570:285). 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.

Course Descriptions

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 (570:299). Research.

Prerequisite(s): consent of department. (Variable)

MUS ED 6300 (570:230). Foundations of Music Education — 3 hrs.

Examination of the foundations and underlying principles of music education. (Variable)

MUS ED 6500 (570:250). 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 (570:252). 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 (570:255). 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 (570:257). 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 (570:258). 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 (570:260). 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 (570:148g), MUS ED 3495/5495, MUS ED 6570 (570:257), or MUS ED 6580 (570:258). (Variable)

MUS ED 6820 (570:282). 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 (570:287). 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 (530:010). Chorus.

(Concert Chorale, Chamber Singers, UNI Singers, Varsity Men's Glee Club, Women's Chorus, Cantorei) (Fall and Spring)

MUS ENS 1120 (530:012). Ensemble.

(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.) (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 (530:015). Band.

Concert Band (Offered Fall); Symphonic Band (Offered Spring); Pep Band (Offered Fall and Spring); Wind Symphony (Offered Fall and Spring); Wind Ensemble (Offered Fall and Spring). (Fall and Spring)

MUS ENS 1160 (530:016). Jazz Band.

(Fall and Spring)

MUS ENS 1170 (530:017). Orchestra.

(Fall and Spring)

MUS ENS 1180 (530:018). Marching Band.

(Fall)

MUS ENS 1190 (530:019). Opera.

Vocal performance ensemble specializing in opera literature. (Fall and Spring)

MUS ENS 3100/5100 (530:110g). Chorus.

(Concert Chorale, UNI Singers, Varsity Men's Glee Club, Women's Chorus, Cantorei.) Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3120/5120 (530:112g). Ensemble.

(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.). 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 (530:115g). Band.

Concert Band (Offered Fall); Symphonic Band (Offered Spring); Pep Band (Offered Fall and Spring); Wind Symphony (Offered Fall and Spring); Wind Ensemble (Offered Fall and Spring). Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3160/5160 (530:116g). Jazz Band.

Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3170/5170 (530:117g). Orchestra.

Prerequisite(s): junior standing. (Fall and Spring)

MUS ENS 3180/5180 (530:118g). Marching Band.

Prerequisite(s): junior standing. (Fall)

MUS ENS 3190/5190 (530:119g). 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 (590:001). 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 (590:002). 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 (590:001). (Variable)

MUS HIST 1030 (590:003). History of Music III: Romantic, Twentieth, and Twenty-First Centuries — 3 hrs.

Continuation of MUS HIST 1020 (590:002). Survey of musical trends from the romantic era to the present (1800-present). Prerequisite(s): MUS HIST 1010 (590:001); MUS HIST 1020 (590:002) with a grade of C or higher. (Variable)

MUS HIST 3100/5100 (590:110g). Music History--Middle Ages and Renaissance — 3 hrs.

Prerequisite(s): MUS HIST 1030 (590:003); junior standing. (Variable)

MUS HIST 3110/5110 (590:111g). Music History--Baroque — 3 hrs.

Prerequisite(s): MUS HIST 1030 (590:003); junior standing. (Variable)

MUS HIST 3120/5120 (590:112g). Music History--Classic — 3 hrs.

Prerequisite(s): MUS HIST 1030 (590:003); junior standing. (Variable)

MUS HIST 3140/5140 (590:114g). Music History--Romantic — 3 hrs.

Prerequisite(s): MUS HIST 1030 (590:003); junior standing. (Variable)

MUS HIST 3150/5150 (590:115g). Music History--20th Century — 3 hrs.

Prerequisite(s): MUS HIST 1030 (590:003); junior standing. (Variable)

MUS HIST 3300/5300 (590:130g). History of Opera — 3 hrs.

Development of opera from its inception (ca. 1600) to present.

Prerequisite(s): junior standing. (Variable)

MUS HIST 3510/5510 (590:151g). 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 (590:160g). 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 (590:180g). 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 6220 (590:222). Research and Writing in Music — 3 hrs.

Designed to familiarize students with specialized resources for research in music and to apply evaluative criteria to those resources. Emphasis on the development of writing skills, incorporating sources, and presenting ideas in a well-reasoned and professional manner. (Fall)

MUS HIST 6285 (590:285). 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 (590:289). Seminar in Music History — 3 hrs.

Musicological research into the various areas of music. May be repeated on different topics. (Variable)

MUS HIST 6299 (590:299). Research.

Prerequisite(s): consent of department. (Variable)

Music Literature Courses (MUS LIT)

Courses

MUS LIT 3200/5200 (595:120g). Performance Literature: _____ — 2 hrs.

Study of performance literature available for specific instrument or voice. Combination ensemble-literature course for the performer. Prerequisite: junior standing. MUS LIT 3200/5200 (595:120g)(g)-01. Woodwinds. (Offered odd Springs) MUS LIT 3200/5200 (595:120g)(g)-02. Brass. (Variable) MUS LIT 3200/5200 (595:120g)(g)-03. Piano I. (Offered odd Falls) MUS LIT 3200/5200 (595:120g)(g)-04. Piano II. (Offered even Springs) MUS LIT 3200/5200 (595:120g)(g)-05. Organ. (Variable) MUS LIT 3200/5200 (595:120g)(g)-06. Strings. (Variable) MUS LIT 3200/5200 (595:120g)(g)-07. Percussion. (Variable) MUS LIT 3200/5200 (595:120g)(g)-08. Voice I, Survey of Song Literature. Survey of vocal literature with emphasis on style, interpretation, and historical context. Prerequisite: junior standing. (Variable) MUS LIT 3200/5200 (595:120g)(g)-09. Voice II, Art Song: German Language. Study of vocal literature from German-speaking countries with regard to style, interpretation, and historical context. Prerequisite: junior standing. (Variable) MUS LIT 3200/5200 (595:120g)(g)-10. Voice III, Art Song: French and English Language. Study of vocal literature from French- and English-speaking countries with regard to style, interpretation, and historical context. Prerequisite: junior standing. (Variable) MUS LIT 3200/5200 (595:120g)(g)-12. Voice IV, Opera Literature. Survey of operatic literature with emphasis on style, interpretation, and historical context. Prerequisites: junior standing. (Variable) (Variable)

MUS LIT 3310/5310 (595:131g). History and Literature of Large Choral Forms — 3 hrs.

Development of large choral forms from the Renaissance to present. Emphasis on the Mass, cantata, oratorio, passion, anthem, and contemporary uses of the chorus. Prerequisite(s): junior standing. Undergraduates must have completed or be enrolled in MUS THEO 3100 (580:110). (Variable)

MUS LIT 3400/5400 (595:140g). 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 (580:110). (Variable)

MUS LIT 3420/5420 (595:142g). 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 (580:110). (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 (595:299). Research.

Prerequisite(s): consent of department. (Variable)

Music Techniques Courses (MUS TECH)

Courses

MUS TECH 1100 (560:010). 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 (560:017). Conducting I--Instrumental — 2 hrs.

Prerequisite(s): MUS THEO 2140 (580:014); MUS THEO 2180 (580:018); MUS THEO 2280 (580:028). (Fall)

MUS TECH 1180 (560:018). Conducting I--Choral — 2 hrs.

Prerequisite(s): MUS THEO 2140 (580:014); MUS THEO 2180 (580:018); MUS THEO 2280 (580:028). (Fall)

MUS TECH 1210 (560:021). 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 (560:017) (minimum grade of C). (Spring)

MUS TECH 1220 (560:022). 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 (560:021). Prerequisite(s): MUS TECH 1180 (560:018) (minimum grade of C). (Spring)

MUS TECH 1300 (560:030). Diction for Singers I — 1 hr.

Study and performance application of Italian and English lyric diction sounds for use by singers, coach-accompanists, and choral instructors. Prerequisite(s): sophomore standing and enrolled as music major. Corequisite(s): (required for B.M. Vocal Performance track): MUS TECH 1320 (560:032). (Fall)

MUS TECH 1310 (560:031). Diction for Singers II — 1 hr.

Study and performance application of German and French lyric diction sounds for use by singers, coach-accompanists, and choral instructors. Prerequisite(s): MUS TECH 1300 (560:030). Corequisite(s): (required for B.M. Vocal Performance track): MUS TECH 1330 (560:033). (Spring)

MUS TECH 1320 (560:032). Diction for Singers I Performance Lab — 1 hr.

Performance-oriented lab expanding on skills explored in Diction for Singers I (MUS TECH 1300 (560:030)). Required of vocal students in the B.M. Vocal Performance track. Corequisite(s): MUS TECH 1300 (560:030). (Fall)

MUS TECH 1330 (560:033). Diction for Singers II Performance Lab — 1 hr.

Performance-oriented lab expanding on skills explored in Diction for Singers II (MUS TECH 1310 (560:031)). Required of vocal students in the B.M. Vocal Performance track. Corequisite(s): MUS TECH 1310 (560:031). (Spring)

MUS TECH 1450 (560:045). Vocal Coaching — 1 hr.

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):

MUS THEO 1110 (580:011) (prerequisite or corequisite) or consent of instructor. (Spring)

MUS TECH 1530. Instrumental Jazz Improvisation I — 1 hr.
Elements of jazz improvisation for instrumentalists. Prerequisite(s): MUS TECH 1500 or 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 1530 or consent of instructor. (Fall)

MUS TECH 1600 (560:060). 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 (560:110g). 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 3110/5110 (560:111g). Performing Arts and Entertainment Law — 3 hrs.
Emphasis on understanding of copyright, publicity rights, trademarks, finance, labor law, and First Amendment rights. Prerequisite(s): major in B.A. Music Performing Arts Management Specialization or consent of instructor; junior standing. (Variable)

MUS TECH 3120/5120 (560:112g). Performing Arts Management — 3 hrs.
Overview of topics, tools and techniques necessary for successful pursuit of a management career in visual and performing arts. Prerequisite(s): major in B.A. Music Performing Arts Management Specialization or consent of instructor; junior standing. (Variable)

MUS TECH 3210/5210 (560:121g). 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 (560:021); junior standing. (Variable)

MUS TECH 3350/5350 (560:135g). 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 (540:046), MUS APPL 3460/5460 (540:146g), or consent of instructor. For graduates: MUS APPL 1460 (540:046), MUS APPL 3460/5460 (540:146g), MUS APPL 6460 (540:246), or consent of instructor. (Fall and Spring)

MUS TECH 3450/5450 (560:145g). Vocal Coaching — 1 hr.
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 instrumental jazz improvisation. Prerequisite(s): junior, senior or graduate standing; MUS TECH 1500 and MUS TECH 3500/5500, or consent of instructor. (Fall)

MUS TECH 3550/5550. Instrumental Jazz Improvisation II — 1 hr.
Elements of jazz improvisation - intermediate level. Prerequisite(s): For juniors, seniors or graduate students; MUS TECH 3530/5530 or consent of instructor. (Fall)

MUS TECH 3610/5610 (560:161g). 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 (560:060) or consent of instructor; junior standing. (Variable)

MUS TECH 4130 (560:113). Senior Project, Performing Arts Management.
0 hrs. Student will develop and complete a comprehensive Performing Arts Management project approved by the instructor. Prerequisite(s): major in B.A. Music Performing Arts Management Specialization; senior standing. (Variable)

MUS TECH 6230 (560:223). 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 (560:299). Research.
Prerequisite(s): consent of department. (Variable)

Music Theory Courses (MUS THEO)

Courses

MUS THEO 1100 (580:010). 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 (580:011). Theory I — 2 hrs.
Fundamentals of basic musicianship; scales, intervals, and chord forms; and analysis and writing involving diatonic harmony. Creative use of materials. Corequisite(s): MUS THEO 1150 (580:015); MUS THEO 1250 (580:025). (Fall)

Course Descriptions

MUS THEO 1120 (580:012). Theory II — 2 hrs.

Continuation of MUS THEO 1110 (580:011). Prerequisite(s): MUS THEO 1110 (580:011) with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 1160 (580:016); MUS THEO 1260 (580:026). (Spring)

MUS THEO 1150 (580:015). Aural Training I — 1 hr.

Corequisite(s): MUS THEO 1110 (580:011); MUS THEO 1250 (580:025). (Fall)

MUS THEO 1160 (580:016). Aural Training II — 1 hr.

Prerequisite(s): MUS THEO 1150 (580:015) with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 1120 (580:012); MUS THEO 1260 (580:026). (Spring)

MUS THEO 1250 (580:025). Sight-Singing I — 1 hr.

Corequisite(s): MUS THEO 1110 (580:011); MUS THEO 1150 (580:015). (Fall)

MUS THEO 1260 (580:026). Sight-Singing II — 1 hr.

Prerequisite(s): MUS THEO 1250 (580:025) with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 1120 (580:012); MUS THEO 1160 (580:016). (Spring)

MUS THEO 1300 (580:030). Composition Class — 2 hrs.

Acquaints students with the rudiments of compositional techniques. Designed for both major and non-major compositional study. Required of all beginning Composition-Theory majors. (Variable)

MUS THEO 2130 (580:013). Theory III — 2 hrs.

Materials of musicianship; emphasis on the so-called period of "common practice". Prerequisite(s): MUS THEO 1120 (580:012) with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2170 (580:017); MUS THEO 2270 (580:027). (Fall)

MUS THEO 2140 (580:014). Theory IV — 2 hrs.

Continuation of MUS THEO 2130 (580:013) with emphasis on Late Romantic and Contemporary eras. Prerequisite(s): MUS THEO 2130 (580:013) with grade of C or higher, or placement by exam. Corequisite(s): for Bachelor of Music and Bachelor of Arts Track 1: MUS THEO 2180 (580:018); MUS THEO 2280 (580:028). (Spring)

MUS THEO 2170 (580:017). Aural Training III — 1 hr.

Prerequisite(s): MUS THEO 1160 (580:016) with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2130 (580:013); MUS THEO 2270 (580:027). (Fall)

MUS THEO 2180 (580:018). Aural Training IV — 1 hr.

Prerequisite(s): MUS THEO 2170 (580:017) with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2140 (580:014); MUS THEO 2280 (580:028). (Spring)

MUS THEO 2270 (580:027). Sight-Singing III — 1 hr.

Prerequisite(s): MUS THEO 1260 (580:026) with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2130 (580:013); MUS THEO 2170 (580:017). (Fall)

MUS THEO 2280 (580:028). Sight-Singing IV — 1 hr.

Prerequisite(s): MUS THEO 2270 (580:027) with grade of C or higher, or placement by exam. Corequisite(s): MUS THEO 2140 (580:014); MUS THEO 2180 (580:018). (Spring)

MUS THEO 3100 (580:110). 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 (580:013). (Variable)

MUS THEO 3220/5220 (580:122g). Music and Technology — 4 hrs.

Overview of current applications in the music industry. Prerequisite(s): Junior standing. (Variable)

MUS THEO 3230/5230 (580:123g). Music Technology, Advanced — 4 hrs.

Further exploration of current applications in the music industry. Prerequisite(s): MUS THEO 3220/5220 (580:122g) with a grade of C or higher; junior standing. (Variable)

MUS THEO 3250/5250 (580:125g). 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 (580:013); junior standing. (Variable)

MUS THEO 3260/5260 (580:126g). 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 (580:013); junior standing. (Variable)

MUS THEO 3270/5270 (580:127g). 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 (580:012); junior standing. (Fall)

MUS THEO 3280/5280 (580:128g). Jazz Arranging II — 2 hrs.

Continuation of MUS THEO 3270/5270 (580:127g). Emphasis on writing for full big band, including augmented instrumentation, contrapuntal and formal problems, score study, and analysis. Prerequisite(s): MUS THEO 3270/5270 (580:127g); junior standing. (Even Springs)

MUS THEO 3320/5320 (580:132g). 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 (580:014); junior standing. (Variable)

MUS THEO 3800/5800 (580:180g). 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 (580:190). 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 6100 (580:210). Analytical Techniques I — 3 hrs.

Investigation of music from chant through 18th century. Examination of major composers and their works in historical context, emphasizing development of Western tradition. Prerequisite(s): MUS THEO 3800/5800 (580:180g) or passing score on Graduate Theory Diagnostic Examination. Prerequisite(s) or corequisite(s): MUS HIST 6220 (590:222). (Spring)

MUS THEO 6110 (580:211). Analytical Techniques II — 3 hrs.

Continuation of MUS THEO 6100 (580:210). Investigation of music written from 1800 to present day. Examination of major composers

and their works in historical context, emphasizing development of Western tradition. Prerequisite(s): MUS THEO 3800/5800 (580:180g) or passing score on Graduate Theory Diagnostic Examination. (Fall)

MUS THEO 6299 (580:299). Research.

Prerequisite(s): consent of department. (Variable)

Non-western History Courses (HISNW)

Courses

HISNW 4720/5720 (964:180g). Modern Latin American History — 3 hrs.

Modern development of Latin American states and their relations to the United States. Prerequisite(s): junior standing. (Spring)

HISNW 4730/5730 (964:174g). Pre-Modern African History — 3 hrs.

Cultural and historical developments in Africa from earliest times to ca. 1800. Prerequisite(s): junior standing. (Fall)

HISNW 4740/5740 (964:175g). Modern African History — 3 hrs.

Survey of sub-Saharan Africa including economic and social development, emergence of modern nationalist movements, and character of the European contact and its interaction with traditional African politics, from the 19th century to the present. Prerequisite(s): junior standing. (Variable)

HISNW 4820/5820 (964:178g). 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. Prerequisite(s): junior standing. (Variable)

HISNW 4830/5830 (964:181g). Pre-Modern South Asia — 3 hrs.

Culture and institutions within the Indian subcontinent from antiquity through Hindu and Islamic periods. Prerequisite(s): junior standing. (Fall)

HISNW 4840/5840 (964:182g). Modern South Asia — 3 hrs.

Influence of the West on cultures and institutions within the Indian subcontinent; response to changing conditions in the Anglo-Indian Empire; rise of movements leading to establishment of India and Pakistan. Prerequisite(s): junior standing. (Spring)

HISNW 4850/5850 (964:183g). Pre-Modern Chinese History — 3 hrs.

Cultural and institutional developments in China from earliest times to ca. 1800 A.D. Prerequisite(s): junior standing. (Fall)

HISNW 4860/5860 (964:187g). 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. Prerequisite(s): junior standing. (Spring)

HISNW 4870/5870 (964:127g). Pre-Modern Japan — 3 hrs.

Prehistory until early modern period (about 1800). Overview of Japan's roots: surveys the early Japanese state, and analyzes the processes of decentralization and reunification. Prerequisite(s): junior standing. (Fall)

HISNW 4880/5880 (964:128g). Modern Japan — 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. Prerequisite(s): junior standing. (Spring)

Philosophy Courses (PHIL)

Courses

PHIL 1020 (650:021). 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 identify. Emphasis on critical thinking, logical reasoning, careful reading, and effective writing. (Fall, Spring, Summer)

PHIL 1030 (650:045). 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 1520. Reasoning About Moral Problems — 3 hrs.

Introduction to critical thinking and writing about moral and social problems. Topics may include hunger, economic justice, anti-Semitism, sexism, animal rights, affirmative action, abortion, and homosexuality. (Variable)

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) (Even Falls)

PHIL 2120. Philosophy of Art — 3 hrs.

Examines the question of the nature of art through a discussion of the major philosophical theories: imitation theory, expression theory, and formalism, as well as a critique of these theories. Field trips included. Prerequisite(s): One philosophy course or consent of instructor. (Even Falls)

PHIL 2130. Philosophy of Science — 3 hrs.

Philosophical problems of the sciences; nature of laws and theories, causation, explanation and scientific method, and relation between natural and social sciences. (Variable)

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)

Course Descriptions

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. Prerequisite(s): one philosophy course or consent of instructor. (Spring)

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) (Even Falls)

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 (650:194). 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. Prerequisite(s): junior standing. (Same as CAP 3194 (CAP:194) and RELS 3110 (640:194)) (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 (650:153g). Philosophy of Mind — 3 hrs.

Examines fundamental questions about the nature of mind, soul, consciousness, artificial intelligence, personal identity and free will, with emphasis on contemporary philosophical theories. (Odd Springs)

PHIL 3320 (650:172). Society, Politics, and the Person — 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. (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 3340. Existentialism — 3 hrs.

The unique contribution of existentialism to philosophy in its sustained focus on everyday life: the contradictions of human existence, the human body, the existence of others, and human freedom. (Same as RELS 3340) (Variable)

PHIL 3350. Theories of Knowledge — 3 hrs.

Examines fundamental questions about the conditions, sources, functions and limits of human knowledge, and the nature of belief, truth, evidence, rationality and objectivity, with emphasis on contemporary philosophical theories. (Even Falls)

PHIL 3510 (650:173). 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. Prerequisite(s): junior standing. (Same as CAP 3173 (CAP:173) and RELS 3510 (640:173)) (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 3680. Marxisms — 3 hrs.

Marxism as a critical method to examine social, political, and economic issues. Includes classic works of Marx and Engels, varieties of socialism and communism, 60s New Left, socialist feminism, liberation theology, third world liberation, and anti-globalization movements. (Variable)

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. Senior Seminar — 3 hrs.

Through reflection, integration, and professional discernment, majors in philosophy and in the study of religion will bring their work in their major to critical integration, clarifying what they have done and linking their achievements with life goals. Prerequisite(s): junior standing. (Same as RELS 4490) (Variable)

PHIL 4550. Ethics Practicum — 1-3 hrs.

Combines service-learning with study of theoretical and applied ethics. Students work 4-6 hours per week in a community agency and meet with instructor. May be repeated once. Prerequisite(s): one completed or concurrent ethics course; consent of instructor. (Same as RELS 4550) (Variable)

Physical Education Courses (PEMES)

Courses

PEMES 2001 (420:001). (420:Axx series) Physical Education — 1 hr.

Work may be selected from activities as listed in the Schedule of Classes. Primarily for Liberal Arts Core credit for students admitted prior to Fall 1988. May be repeated. (Fall, Spring, Summer)

PEMES 2011 (420:011). Fundamental Physical Activities -- Aquatics — 1 hr.

Primarily for majors and minors in Physical Education. (Fall and Spring)

PEMES 2013 (420:013). Fundamental Physical Activities - Dance — 2 hrs.

Primarily for majors in Physical Education-Teaching and for minors in Dance and Physical Education-Elementary Teaching. (Variable)

PEMES 2015 (420:015). Lifetime Activities I — 1 hr.

Primarily for majors and minors in Physical Education. (Fall and Spring)

PEMES 2016 (420:016). Lifetime Activities II — 1 hr.

Primarily for majors and minors in Physical Education. (Fall and Spring)

PEMES 2017 (420:017). Fundamental Physical Activities -- Outdoor/Adventure Pursuits — 1 hr.

Primarily for majors and minors in Physical Education. (Fall and Spring)

PEMES 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)

PEMES 2021 (420:021). Movement Activities for Children — 2 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 (200:030). (Fall and Spring)

PEMES 2024 (420:024). Anatomy and Kinesiology — 3 hrs.

Attention to the skeleton, the muscular system, and to joint construction. Application to analysis of skills and techniques used in coaching. (For coaching minors.) No credit for students with credit in PEMES 2050 (420:050) and PEMES 3151 (420:151). (Variable)

PEMES 2025 (420:025). Conditioning Theory and Practice — 2 hrs.

Theory and practice in training and conditioning of athletes. (Fall and Spring)

PEMES 2030. Teaching Physical Education For Learning — 2 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 (200:030). (Fall and Spring)

PEMES 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 and Spring)

PEMES 2034 (420:034). 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 2036 (420:036). Dance Performance — 1-2 hrs.

Credit for performance in approved dance choreography. May be repeated for credit. Maximum of 2 hours may be used toward the Dance minor. Prerequisite(s): consent of instructor. (Variable)

PEMES 2037 (420:037). Applied Choreography — 1-2 hrs.

Credit for approved choreography for dance performances and productions. May be repeated for credit. Maximum of 2 hours may be used toward the Dance minor. Prerequisite(s): consent of instructor. (Variable)

PEMES 2045 (420:045). Physical Education for the Elementary Grades — 3 hrs.

Teaching methods and experience in activities; 3 periods. No credit for students with credit in HPELS 2045. Prerequisite(s): EDPSYCH 2030 (200:030); sophomore standing. (Fall and Spring)

PEMES 2050 (420:050). 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)

PEMES 2053 (420:053). 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)

PEMES 2056 (420:056). Introduction to Motor Behavior — 3 hrs.

Introduction to the developmental and learning factors which influence the capability to move effectively throughout the life span. Prerequisite(s) or corequisite(s): PSYCH 1001 (400:001). (Fall and Spring)

PEMES 2060 (420:060). 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. (Fall and Spring)

PEMES 2061 (420:061). 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. (Spring)

PEMES 3101 (420:101). Advanced Skill and Coaching Theory -- Baseball — 2 hrs.

Prerequisite(s): beginning class or equivalent skill. (Variable)

PEMES 3102 (420:102). Advanced Skill and Coaching Theory -- Basketball — 3 hrs.

Prerequisite(s): beginning class or equivalent skill. (Fall and Spring)

PEMES 3104 (420:104). Advanced Skill and Coaching Theory -- Football — 3 hrs.

Prerequisite(s): beginning class or equivalent skill. (Variable)

PEMES 3107 (420:107). Advanced Skill and Coaching Theory -- Soccer — 2 hrs.

Prerequisite(s): beginning class or equivalent skill. (Variable)

Course Descriptions

PEMES 3108 (420:108). Advanced Skill and Coaching Theory -- Softball — 2 hrs.

Prerequisite(s): beginning class or equivalent skill. (Variable)

PEMES 3111 (420:111). Advanced Skill and Coaching Theory -- Track and Field — 2 hrs.

Prerequisite(s): beginning class or equivalent skill. (Variable)

PEMES 3112 (420:112). Advanced Skill and Coaching Theory -- Volleyball — 3 hrs.

Prerequisite(s): beginning class or equivalent skill. (Variable)

PEMES 3113 (420:113). Advanced Skill and Coaching Theory -- Wrestling — 2 hrs.

Prerequisite(s): beginning class or equivalent skill. (Variable)

PEMES 3118 (420:118). 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)

PEMES 3120 (420:120). Certified Pool Operators — 2 hrs.

Administration of programs, personnel, and facilities; includes pool management and maintenance. (Variable)

PEMES 3121 (420:121). Sociology and Psychology of Physical Activity — 2 hrs.

Introduction to the sociological and psychological issues related to physical activity. Practical information for professionals working in either school or non-school settings dealing with persons involved in physical activity. (Fall and Spring)

PEMES 3122 (420:122). Psycho-Social Aspects of Competitive Sport — 2 hrs.

Introductory philosophical aspects of sport; psychological and sociological dimensions of competitive sport. (Fall and Spring)

PEMES 3131 (420:131). Dance Composition — 2 hrs.

Application of art principles basic to good choreography. Prerequisite(s): PEMES 2013 (420:013); two dance activity classes of different styles or consent of instructor. (Variable)

PEMES 3135 (420:135). Dance Production and Performance — 2 hrs.

Application of technical considerations, costume design, accompaniment, and program planning. Practical application of choreography and/or lecture demonstration in a dance form expected. (Variable)

PEMES 3140 (420:140). Practicum — 1 hr.

Experiences working with elementary, secondary, adapted, or dance students in activities involving movement. May be repeated for a maximum of 4 hours. Prerequisite(s): methods course appropriate to area; consent of instructor. (Fall, Spring, Summer)

PEMES 3151 (420:151). Introductory Biomechanics — 3 hrs.

Application of principles of mechanics to human movement. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): PEMES 2050 (420:050) or equivalent. (Fall and Spring)

PEMES 3153 (420:153). Physiology of Exercise — 3 hrs.

Acute and chronic responses and adaptations of the physiological systems to muscular activity and training. Prerequisite(s): PEMES 2050 (420:050); junior standing. Prerequisites for Athletic Training majors: PEMES 2050 (420:050) or AT 3020; junior standing. (Fall, Spring, Summer)

PEMES 3154 (420:154). 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)

PEMES 3155/5155 (420:155g). 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): PEMES 2050 (420:050); PEMES 3153 (420:153) or equivalent; junior standing. (Variable)

PEMES 3156 (420:156). Fitness Assessment and Programming — 3 hrs.

Assessment of fitness levels and application to fitness programming including remediation of dysfunction in rehabilitation. Prerequisite(s): PEMES 3153 (420:153). (Fall and Spring)

PEMES 3157 (420:157). 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): PEMES 2053 (420:053); PEMES 3153 (420:153). Prerequisite for Athletic Training majors: AT 3020. (Fall and Spring)

PEMES 3163. Career and Professional Development — 2 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. 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)

PEMES 3168 (420:168). 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)

PEMES 3173 (420:173). 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 (200:148); PEMES 2021 (420:021); PEMES 2056 (420:056). Physical Education Major-Teaching: EDPSYCH 3148 (200:148); PEMES 2021 (420:021); PEMES 2053 (420:053); PEMES 2056 (420:056); PEMES 3174 (420:174); PEMES 3176 (420:176). (Fall and Spring)

PEMES 3174 (420:174). 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 PEMES 3174 (420:174) for MEASRES 3150 (250:150). Prerequisite(s) or corequisite(s): EDPSYCH 3148 (200:148). (Fall and Spring)

PEMES 3176 (420:176). 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): admission to teacher education program. (Fall and Spring)

PEMES 3185 (420:185). Readings in Physical Education — 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)

PEMES 3191 (420:191). 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)

PEMES 3193 (420:193). 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)

PEMES 3197 (420:197). Internship in Physical Education — 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 option; current certification in Standard First Aid and Community CPR; consent of Internship Coordinator. (Fall, Spring, Summer)

PEMES 4152/5152 (420:152g). Adapted Physical Education — 3 hrs.

Recognition of postural deviations; exercises for specific body parts; understanding specific disabilities; first aid and emergency care; and the modification of physical activities to meet limitations found in school populations. Prerequisite(s): PEMES 3151 (420:151); junior standing. Prerequisite(s) or corequisite(s): TEACHING 3128 (200:128). (Fall and Spring)

PEMES 4194 (420:194). 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)

PEMES 4198 (420:198). Independent Study.

Primarily for majors in physical education. (Fall, Spring, Summer)

PEMES 4217/5217 (420:127g). Organization and Administration of Competitive Sports — 2 hrs.

Organization, administration, and management of interscholastic, intercollegiate, and intramural sports programs. Prerequisite(s): junior standing. (Fall and Spring)

PEMES 6222 (420:222). Sport Psychology — 3 hrs.

Current sport psychology research and its relevance to coaches and athletes. Emphasis on the areas of sport personality, competitiveness, motivation, attention, self-concept, attitudes, competitive anxiety, and goal-setting. Stress management techniques and other psychological skills applicable to the sport setting. (Variable)

PEMES 6230 (420:230). 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)

PEMES 6231 (420:231). Effective Teaching 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. Prerequisite(s): undergraduate methods class. (Variable)

PEMES 6251 (420:251). Biomechanics — 3 hrs.

Application of mechanical principles and concepts to human movement; emphasis on analysis of techniques employed in sports. Prerequisite(s): PEMES 2050 (420:050); PEMES 3151 (420:151); or equivalents. (Variable)

PEMES 6253 (420:253). 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): PEMES 3153 (420:153); PEMES 3155/5155 (420:155g) or equivalent; BIOL 3101 (840:101) or equivalent; BIOL 3102 (840:102) or equivalent. (Variable)

PEMES 6255 (420:255). Motor Control and Learning — 3 hrs.

Study and application of research findings to motor learning and the variables which influence it. (Variable)

PEMES 6260 (420:260). Laboratory Instrumentation and Test Interpretation — 3 hrs.

Experience in exercise physiology laboratory instrumentation for cardiovascular, metabolic, muscular, and respiratory measurements as well as interpretation of test results. Prerequisite(s) or corequisite(s): PEMES 6253 (420:253) or consent of instructor. (Variable)

PEMES 6271 (420:271). Cardiovascular Physiology — 3 hrs.

In-depth study of the functioning of the cardiovascular and respiratory systems in the diseased and non-diseased state. Major topics include functional anatomy, cardiorespiratory control, arterial pressure, responses to exercise, electrical activity, and the effects of disease processes. (Same as HPE 6271 (410:271)) (Variable)

PEMES 6273 (420:273). Contemporary Issues in Physical Education and Athletics — 3 hrs.

Examination and analysis of continuing concerns and issues in the profession. (Variable)

PEMES 6285 (420:285). Readings in Physical Education — 1-4 hrs.

May be repeated for maximum of 6 hours. (Fall, Spring, Summer)

PEMES 6289 (420:289). Seminar in Physical Education — 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)

PEMES 6293 (420:293). Research Experience in Physical Education — 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)

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PEMES 6295 (420:295). 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)

PEMES 6297 (420:297). 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)

PEMES 6299 (420:299). 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)

Physics Courses (PHYSICS) Courses

PHYSICS 1000 (880:012). 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. Students may not earn credit in both PHYSICS 1400 (880:011) and PHYSICS 1000 (880:012). Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (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 (880:130), Physics I for Science and Engineering, or the consent of the department head. (Fall)

PHYSICS 1400 (880:011). Conceptual Physics — 4 hrs.

Energy; temperature and heat; waves and sound; electricity and magnetism; light and color; and atomic and nuclear structure of matter. Emphasis on observation, interpretation, and conceptual understanding of physical phenomena. Discussion, 3 periods; lab, 2 periods. Students may not earn credit in both PHYSICS 1400 (880:011) and PHYSICS 1000 (880:012). Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

PHYSICS 1511 (880:054). 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): MATH 1130 (800:044) or MATH 1140 (800:046) or MATH 1150 (800:048) or MATH 1420 (800:060) or equivalent, or a satisfactory ALEKS score. (Fall and Spring)

PHYSICS 1512 (880:056). 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 (880:054) or PHYSICS 1701 (880:130). (Fall and Spring)

PHYSICS 1701 (880:130). 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): one year of high school physics or equivalent. Prerequisite(s) or corequisite(s): MATH 1420 (800:060). (Fall)

PHYSICS 1702 (880:131). 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 (880:054) (minimum grade of B) or PHYSICS 1701 (880:130). Prerequisite(s) or corequisite(s): MATH 1421 (800:061). (Spring)

PHYSICS 1800 (880:080). Projects in Basic Robotics and Sensors — 1 hr.

Assembly of a mini-sumo robot, with motor, sensors and microprocessor. Implement line following. Explore modifications to the sumo hardware and software that will permit successful participation in a sumo robotics competition at the end of the course. Lab, 2 periods. Prerequisite(s) or corequisite(s): PHYSICS 1511 (880:054) and PHYSICS 1512 (880:056), or PHYSICS 1701 (880:130) and PHYSICS 1702 (880:131), or MATH 1140 (800:046) and TECH 1037 (330:037), or CS 1410 (810:041) or CS 1510 (810:051). (Variable)

PHYSICS 2300 (880:132). 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 (880:131). (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 (800:060); MATH 1421 (800:061); MATH 2422 (800:062); PHYSICS 1701 (880:130); PHYSICS 1702 (880:131); PHYSICS 2300 (880:132). (Spring)

PHYSICS 3000 (880:180). 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 3179 (880:179). Cooperative Education.

Applied physics internship under PHYSICS 3179 (880:179) should be taken during the junior or senior year. If unable to do so, the internship may be done under PHYSICS 3500 (880:184) with consent of department. Successful completion of either PHYSICS 3179 (880:179) or PHYSICS 3500 (880:184) requires both a written and an oral report. Offered on credit/no credit basis only. (Fall and Spring)

PHYSICS 3500 (880:184). 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 (880:187). 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 (880:137g). (Fall)

PHYSICS 4050/5050 (880:140g). 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 (880:056) or PHYSICS 1702 (880:131); junior standing or consent of department head. (Fall)

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 (880:054) or PHYSICS 1701 (880:130); PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing. (Spring)

PHYSICS 4100/5100 (880:137g). 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 (880:131); junior standing. (Spring)

PHYSICS 4110/5110 (880:138g). 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 (880:137g). (Spring)

PHYSICS 4200/5200 (880:144g). 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 (860:044) and CHEM 1120 (860:048) (or CHEM 1130 (860:070)); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing. [Same as CHEM 4200/5200 (860:144g)] (Fall)

PHYSICS 4210/5210 (880:148g). 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 (860:044) and CHEM 1120 (860:048) (or CHEM 1130 (860:070)); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing. [Same as CHEM 4210/5210 (860:148g)] (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 (880:054) or PHYSICS 1400 (880:011) or PHYSICS 1701 (880:130); junior standing. (Same as TECH 4290/5290) (Spring)

PHYSICS 4300/5300 (880:152g). 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 (880:056) or PHYSICS 1702 (880:131); MATH 1421 (800:061); junior standing. (Fall)

PHYSICS 4310/5310 (880:154g). 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 (880:054) and PHYSICS 1512 (880:056), or PHYSICS 1701 (880:130) and PHYSICS 1702 (880:131); junior standing. (Odd Springs)

PHYSICS 4450/5450 (880:185g). 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 (880:166g). 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 (800:060); MATH 1421 (800:061); PHYSICS 1701 (880:130); PHYSICS 1702 (880:131); PHYSICS 2300 (880:132); PHYSICS 2700; junior standing. Corequisite(s): MATH 2422 (800:062). (Fall)

PHYSICS 4700/5700 (880:167g). Electrodynamics — 4 hrs.

Vector calculus. Electrostatic fields and dielectrics; magnetic fields, magnetic forces, and magnetic materials; Maxwell's equations and electromagnetic waves. Prerequisite(s): MATH 2422 (800:062); PHYSICS 2300 (880:132); PHYSICS 2700; PHYSICS 4600/5600 (880:166g); junior standing. (Odd Springs)

PHYSICS 4750/5750 (880:174g). 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 (880:137g); PHYSICS 4110/5110 (880:138g); junior standing. (Odd Falls)

PHYSICS 4800/5800 (880:172g). 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 (880:137g); PHYSICS 4600/5600 (880:166g); junior standing. (Even Springs)

PHYSICS 4860/5860 (880:150g). 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

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(880:132); PHYSICS 2700; PHYSICS 4100/5100 (880:137g); PHYSICS 4600/5600 (880:166g); junior standing. (Spring)

PHYSICS 4900/5900 (880:136g). 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 (880:132); PHYSICS 2700; PHYSICS 4100/5100 (880:137g); junior standing. (Spring)

PHYSICS 4950/5950 (880:189g). 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 (880:205). 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 (810:036) and PHYSICS 4860/5860 (880:150g), or MATH 3440/5440 (800:176g) and CS 1160 (810:036), or consent of instructor. (Variable)

PHYSICS 6299 (880:299). Research.

Prerequisite(s): consent of department. (Variable)

PHYSICS 6300 (880:220). 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 (880:132); PHYSICS 4300/5300 (880:152g). (Variable)

PHYSICS 6500 (880:250). 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 (941:050). Introduction to Political Theory: Freedom, Justice and Power — 3 hrs.

Introductory course that explores some of the ideals that guide political practice, addressing questions such as: How do we know what is just, and how can justice be achieved? What does it mean to be free? What is the nature of power? Can we avoid it? If not, what can be done to control it? (Fall and Spring)

POL THRY 3129 (941:129). American Political Thought — 3 hrs.

Founding theories of American political practice (Jefferson, Madison, and others); analysis of fundamental American political ideals including rights, freedom, and equality. (Variable)

POL THRY 3160 (941:160). 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 (941:161). 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 (942:014). Introduction to American Politics — 3 hrs.

Examination of the structure, organization, and powers of the institutions of American government and how citizens are linked to government through such things as political parties, interest groups, and elections. (Fall and Spring)

POL AMER 1048 (942:048). Introduction to Public Administration — 3 hrs.

Role of bureaucracy in policy making and implementation in a representative government. Theories, concepts, and selected case studies in public administration. (Fall and Spring)

POL AMER 2131 (942:131). American State Politics — 3 hrs.

Analysis of organization, functions, and operation of state and local governments. (Fall)

POL AMER 2147. Law and the Courts — 3 hrs.

Examination of federal and state trial courts, both civil and criminal. Exploration of normative and empirical theories about the nature of the legal system and the roles of judges, lawyers, and litigants. Addresses political issues related to the civil and criminal justice systems. (Even Falls)

POL AMER 3112 (942:112). 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 (942:132). Community Politics — 3 hrs.

Introduction to structure, functions, and policies of American local government in context of economic, social, and intergovernmental forces. Prerequisite(s): sophomore standing or consent of instructor. (Variable)

POL AMER 3134 (942:134). Legislative Politics — 3 hrs.

Introduction to the legislative process emphasizing the United States Congress. Focus on how Congress makes policy, and legislators' relations with constituents, parties, interest groups, and the executive and judicial branches. Prerequisite(s): POL AMER 1014 (942:014). (Odd Falls)

POL AMER 3141 (942:141). 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 (942:014) or POL AMER 2147 or POL AMER 3146 (942:146). (Fall)

POL AMER 3144 (942:144). 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 (942:146). Law and Politics — 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. (Spring)

POL AMER 3150 (942:150). 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 (942:151). 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 (942:014). (Spring)

POL AMER 3166 (942:166). Political Parties and Interest Groups — 3 hrs.

Rise of interest groups and decline of parties in American political system; role of interest groups in policy process; organization and maintenance of political parties and interest groups. Prerequisite(s): POL AMER 1014 (942:014). (Variable)

POL AMER 3172/5172 (942:172). 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. Prerequisite(s): POL AMER 1014 (942:014); POL AMER 1048 (942:048). (Spring)

POL AMER 3174 (942:174). Public Personnel Administration — 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 (942:014); POL AMER 1048 (942:048). (Variable)

POL AMER 4130/5130 (942:130g). 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 (942:142g). 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 (942:143g). 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 4153/5153 (942:153g). Public Organizations — 3 hrs.

Examine the political nature, characteristics and operation of American public organizations. Analyze the internal and external factors that explain how public organizations operate. Theories and models of internal dynamics of public organizations and their role

in the American political system. Prerequisite(s): POL AMER 1014 (942:014); POL AMER 1048 (942:048); junior standing. (Fall)

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 (48C:160g)) (Fall)

POL AMER 4173 (942:173g). The Public Policy Process — 3 hrs.

Theories and models of policy process in the United States, including agenda setting, formulation, adoption, implementation, and evaluation. Application of theories and models to case studies of major policy issues. Prerequisite(s): POL AMER 1014 (942:014); POL AMER 1048 (942:048); junior standing. (Fall)

POL AMER 4176/5176 (942:176g). 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 (942:177g). 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 (942:188g). 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 (942:048); junior standing. (Spring)

Politics, Comparative Courses (POL COMP)

Courses

POL COMP 1040 (944:040). 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 (944:121). 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 (944:123). 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 (944:125). 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

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systems and as a component of many successful movements for political change. (Variable)

POL COMP 3135 (944:135). 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 (944:162). 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 (944:164). Russian and Eurasian 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 (944:165). African Politics — 3 hrs.

Examination of African politics from a political economy perspective. (Variable)

POL COMP 3167 (944:167). 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 (940:020). Contemporary Political Problems — 3 hrs.

Analysis of selected contemporary political issues. Focus may be on local, state, national, or international level. (Fall and Spring)

POL GEN 2010 (940:010). 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 (940:111). Introduction to Quantitative Methods in Political Science — 3 hrs.

Introduction to basic statistical methods appropriate to data analysis in political science and public administration. (Fall)

POL GEN 3181 (940:181). 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 (940:010); 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 (940:184). 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 (940:189g). 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 (940:198). Independent Study.

(Fall, Spring, Summer)

Politics, International Courses (POL INTL)

Courses

POL INTL 1024 (943:024). 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 3120 (943:120). 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 3126 (943:126). 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 (943:127). 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 (943:143). International Law — 3 hrs.

Survey of international law from its development to contemporary issues. (Variable)

POL INTL 3145 (943:145). International Organizations — 3 hrs.

Description of international governmental and nongovernmental organizations, and analysis of their roles in international politics. (Variable)

POL INTL 4119/5119 (943:119g). 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. Prerequisite(s): POL INTL 1024 (943:024); junior standing. (Variable)

POL INTL 4125/5125 (943:125g). North-South Relations — 3 hrs.

Analysis of political, social, and economic disparities and mutual interdependence between developing and developed nations. Examination of need for a new international economic order, and issues of energy, food, raw materials, population, and transfer of technology. Prerequisite(s): junior standing. (Variable)

Postsecondary Education: Student Affairs Courses (POSTSEC)

Courses

POSTSEC 1050 (170:050). 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)

POSTSEC 1055 (170:055). 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)

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 — 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. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): POSTSEC 3000. (Spring)

POSTSEC 6220. Leading, Helping, Advising — 3 hrs.

Provides an overview and skill development in the areas of Leadership, Helping Skills and Advising Strategies. (Fall)

POSTSEC 6231 (170:231). Assessment in Postsecondary Education — 3 hrs.

Examination of topics related to assessment in postsecondary education including benchmarking, program evaluation, student learning and developmental outcomes, student needs, student satisfaction, and campus culture. (Spring)

POSTSEC 6250 (170:250). 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. (Fall and Spring)

POSTSEC 6256 (170:256). 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 (170:260). 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 (170:264). 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. (Spring)

POSTSEC 6270 (170:270). College Student Development — 3 hrs.

Addresses student development theories (moral, ethical, intellectual, and psychosocial), and their application in student affairs settings. (Spring)

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 6272. College Effects on Students — 3 hrs.

Reviews the research on the effects of higher education on students. Prerequisite(s): admission to Postsecondary Education: Student Affairs program. (Variable)

POSTSEC 6273. Research in Student Affairs — 3 hrs.

Introduction to the basic research literacy necessary for student affairs profession. Prerequisite(s): admission to Postsecondary Education: Student Affairs program. (Fall and Spring)

POSTSEC 6274. Higher Education Law — 3 hrs.

Discusses Federal, State and local law and its impact on higher education. (Fall)

POSTSEC 6285 (170:285). Readings in Postsecondary Education. (Variable)

POSTSEC 6289 (170:289). 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)

Course Descriptions

POSTSEC 6291 (170:291). 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 (170:299). Research.

Prerequisite(s): consent of department. (Variable)

POSTSEC 7311 (170:311). 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 (270:311)) (Variable)

POSTSEC 7389 (170:389). Seminar in Postsecondary Education.

Special topics as indicated in the schedule of classes. Prerequisite(s): consent of instructor. (Variable)

POSTSEC 7397 (170:397). 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 (820:209). 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 (820:289). (Fall and Spring)

PSM 6289 (820:289). 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 (820:215). 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 (820:289); minimum of 6 hours completed in a P.S.M. degree program. (Fall and Spring)

PSM 6950 (820:295). 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 (400:001). 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 2002. Careers 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 once for credit. Prerequisite(s): PSYCH 1001 (400:001). (Fall and Spring)

PSYCH 2101 (400:155). Biopsychology — 3 hrs.

Introduction to the biological basis of behavior. Consideration of the roles of brain function, hormones, heredity and evolutionary history as they relate to sex differences, psychopathology, language, emotion, memory, sleep, and sensation/perception. Consideration of basic neuroanatomy and comparative approaches. Prerequisite(s): PSYCH 1001 (400:001) or consent of instructor. (Fall and Spring)

PSYCH 2201 (400:060). 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 (400:001). (Fall or Spring)

PSYCH 2202 (400:120). Developmental Psychology — 3 hrs.

Contemporary and historical theories of human development throughout the lifespan; description of cognitive, emotional, social, and physical changes over time. Prerequisite(s): PSYCH 1001 (400:001). (Fall and Spring)

PSYCH 2203 (400:160). 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 (400:001). (Fall and Spring)

PSYCH 2301 (400:025). 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 (400:001). (Fall or Spring)

PSYCH 2302 (400:070). 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 (400:001). (Fall or Spring)

PSYCH 2401 (400:166). Clinical Psychology — 3 hrs.

Contemporary practice of clinical psychology with emphasis on the theories and techniques of cognitive-behavioral interventions. Prerequisite(s): PSYCH 1001 (400:001). (Fall or Spring)

PSYCH 2402 (400:161). 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 (400:001). (Fall or Spring)

PSYCH 2501 (400:050). Behavior Modification — 3 hrs.

Behavioral approach to behavior change based upon learning principles. Emphasizes analysis of ongoing behavior and the means of implementing change in a variety of everyday situations. Prerequisite(s): PSYCH 1001 (400:001). (Variable)

PSYCH 2601 (400:132). 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 (400:001). (Variable)

PSYCH 2701 (400:020). 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 (400:001); consent of instructor. (Variable)

PSYCH 3002 (400:101). 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 (400:001); plus 6 additional credit hours in psychology. (Fall and Spring)

PSYCH 3003 (400:102). 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 (400:001); PSYCH 3002 (400:101); one college-level mathematics course or consent of instructor. (Fall and Spring)

PSYCH 3004/5004 (400:118g). History and Systems of Psychology — 3 hrs.

Survey of the history of psychology. Topics include philosophical influences, schools of thought, biographies of prominent psychologists, methodology, and important studies. Examination of the psychology of science. Prerequisite(s): PSYCH 1001 (400:001); junior standing. (Variable)

PSYCH 3102/5102 (400:170g). 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 3103/5103 (400:152g). Sensation and Perception — 3 hrs.

Examination of relationship between physical world and perception, anatomy and physiology of brain structures responsible for perception, algorithms involved in perception, and development of perceptual processing systems. Focus on the visual system. Prerequisite(s): PSYCH 1001 (400:001); PSYCH 3002 (400:101); junior standing. (Variable)

PSYCH 3104/5104 (400:127g). Introduction to Neurology — 3 hrs.

Introduction to basic nervous system structure and function including the neuron, peripheral nervous system, the senses, the brain stem, neural control of movement and coordination, the forebrain and its specific functions, and brief coverage of methods of study and clinical neurology. Prerequisite(s): PSYCH 1001 (400:001); 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 (400:173g). 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 (400:001); junior standing. (Fall or Spring)

PSYCH 3303/5303 (400:154g). 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 (400:001); junior standing. (Fall or Spring)

PSYCH 3304/5304 (400:158g). Organizational Psychology — 3 hrs.

Work motivation, job satisfaction, work group influences, and the structure of work; explores the most influential theories in the field and the most widely-used applications of theories. Prerequisite(s): PSYCH 1001 (400:001); junior standing. (Fall and Spring)

PSYCH 3305/5305 (400:157g). Industrial Psychology — 3 hrs.

Processes involved in recruiting, selecting, training, and evaluating employees in all types of organizations; prominent theories and current techniques in use. Prerequisite(s): PSYCH 1001 (400:001); junior standing. (Fall and Spring)

PSYCH 3403/5403 (400:142g). 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 (400:001); junior standing. (Fall, Spring, Summer)

PSYCH 3404/5404 (400:106g). Psychology of Human Differences — 3 hrs.

Nature and extent of human differences as they apply to an understanding of general psychology of the individual and group differences in a social setting. Prerequisite(s): PSYCH 1001 (400:001); junior standing. (Variable)

PSYCH 3502/5502 (400:134g). 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 (400:001); junior standing. (Fall or Spring)

Course Descriptions

PSYCH 3503/5503 (400:150g). Conditioning and Learning — 3 hrs.

Survey of conditioning and learning including classical conditioning, operant conditioning, conditional discrimination, verbal behavior, and remembering in humans and animals. Emphasis on how the field relates to modern psychology and everyday life. Prerequisite(s): PSYCH 1001 (400:001); PSYCH 3002 (400:101); junior standing. (Variable)

PSYCH 3504/5504 (400:151g). Memory and Language — 3 hrs.

Memory topics include theories of memory, memory deficits, and the role of memory in broader cognitive processes. Language topics include theories of language, biological bases of language; and comprehension and production of language. Prerequisite(s): PSYCH 1001 (400:001); PSYCH 3002 (400:101); junior standing. (Variable)

PSYCH 3505/5505 (400:153g). 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 (400:001); PSYCH 3002 (400:101); junior standing. (Fall and Spring)

PSYCH 3603/5603 (400:125g). 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 (400:001); plus any one from FAM SERV 1055 (31F:055), PSYCH 2202 (400:120), or equivalent of one of these, or consent of instructor; junior standing. (Fall or Spring)

PSYCH 3606/5606 (400:162g). 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 (400:001); PSYCH 3002 (400:101); PSYCH 2203 (400:160); junior standing. (Variable)

PSYCH 4198 (400:198). 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 (400:149g). 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 (400:001); PSYCH 3002 (400:101); PSYCH 3003 (400:102); junior standing. (Spring)

PSYCH 4607/5607 (400:164g). 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 (400:001) or ANTH 1002 (990:011); junior standing. (Same as ANTH 3101/5101 (990:164g)) (Variable)

PSYCH 4608/5608 (400:167g). 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 (400:001) or SOC 1000 (980:001) or ANTH 1002 (990:011); junior standing. (Same as ANTH 3104/5104 (990:167g) and SOC 3411/5411 (980:167g)) (Variable)

PSYCH 4609/5609 (400:189g). 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 (400:001); PSYCH 3002 (400:101) or consent of instructor; 15 hours in psychology; junior standing. (Variable)

PSYCH 4704/5704 (400:192g). 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 (400:193g). 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 (400:001); PSYCH 3002 (400:101); 15 hours in psychology; junior standing; consent of instructor. (Fall, Spring, Summer)

PSYCH 6001 (400:239). 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 (400:241). 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 (400:239); graduate standing in psychology or consent of instructor. (Spring)

PSYCH 6003 (400:292). 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 6005 (400:254). 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. (Variable)

PSYCH 6006 (400:293). 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 6201 (400:218). Evolution, Brain and Social Behavior — 3 hrs.

Emphasis on biological foundations of social behavior, importance of natural selection processes and interplay of genes and environment. Functional significance of genetics, hormones, neurotransmitters on personality, pathology and sex differences. Prerequisite(s): graduate standing in psychology or consent of instructor. (Odd Springs)

PSYCH 6202 (400:220). Social and Cognitive Development — 3 hrs.

In-depth, critical analysis of major theories of developmental psychology and their application to practical situations. Discussion of psychoanalytic, ethological, behaviorist, social learning, structural-developmental, and contextual approaches to social and cognitive development. Prerequisite(s): an undergraduate course in developmental psychology; graduate standing. (Even Falls)

PSYCH 6203 (400:261). 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 (400:264). 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 (400:294). 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 6285 (400:285). 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 (400:289). Seminar.
(Variable)

PSYCH 6299 (400:299). Research.

Prerequisite(s): consent of department. (Fall, Spring, Summer)

PSYCH 6401 (400:249). 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 6402 (400:270). Research and Practice of Psychotherapy — 3 hrs.

Reviews the major theoretical approaches to psychological treatment, covers relevant empirical and clinical issues, and facilitates proficiency in fundamental therapy skills. Prerequisite(s): graduate standing in psychology. (Fall)

PSYCH 6405 (400:262). 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 (400:225). Psychopathology — 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 6407 (400:272). Evidence Based Treatment — 3 hrs.

Survey of behavior change strategies documented as effective by a body of supporting psychological research. Comparison of these techniques with non-psychological (drug) treatments as well as with non-empirically supported psychological treatments. Prerequisite(s): graduate standing in psychology or school psychology. (Fall)

PSYCH 6409. Clinical Ethics — 3 hrs.

Review of critical ethical and professional issues related to practice of clinical psychology, including changing roles of psychological assessment, intervention, and research; role of ethics in research, and importance of multicultural awareness. Prerequisite(s): graduate standing in the psychology department or related field or consent of instructor. (Spring)

PSYCH 6410. Advanced Child Psychopathology and Evidence Based Treatment — 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 6416. External Clinical Practicum I — 2 hrs.

This is the first of two consecutive courses for students in the clinical science M.A. program who are earning their practicum hours. (Fall)

PSYCH 6417. External Clinical Practicum II — 1 hr.

This is the second of two consecutive courses for students in the clinical science M.A. program who are earning their practicum hours. (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)

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 (950:220). 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 6260 (950:260). 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 (950:275). 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 6281 (950:281). 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 (950:285). Readings in Public Policy — 1-3 hrs.

Registration requires written consent of Program Director. May be repeated. (Odd Summers)

Religion Courses (RELS)

Courses

RELS 1020 (640:024). Religions of the World — 3 hrs.

Living religions with emphasis on texts, beliefs, tradition, values, and practices. (Fall, Spring, Summer)

RELS 1030 (640:030). 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 1510 (640:040). 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) (Even Falls)

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 2225. Meditation and Mystical Experience — 3 hrs.

Examination of various techniques of meditation and their results, drawing from Yoga, Zen, Buddhist, Christian, and secular sources, including first-hand accounts of meditational practice and philosophic and psychological studies in the area of mysticism. (Variable)

RELS 2401. Tribal Religions — 3 hrs.

Tribal Religions is designed to provide students with an introduction to the religions and spirituality of indigenous societies from around the world. Special attention is given to the relationships between religion and the environment, and between religion and the social, political and economic organizations of a society. (Same as ANTH 2401) (Fall)

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) (Even Falls)

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 3080/5080 (640:189g). 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 3103 (640:161). Religion, Magic, and Witchcraft — 3 hrs.

This course emphasizes a comparative and anthropological approach to the study of religion, magic and witchcraft. Course content includes the study of classical theoretical frameworks that explain religious beliefs and practices and in-depth discussions on diverse religious systems. Prerequisite(s): ANTH 1002 (990:011) and junior standing; or consent of instructor. (Same as ANTH 3103 (990:161)) (Spring)

RELS 3110 (640:194). 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. Prerequisite(s): junior standing. (Same as CAP 3194 (CAP:194) and PHIL 3110 (650:194)) (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 3170. Why We Believe — 3 hrs.

What do witches, monsters, and gods have in common? This course draws on psychology to explore the origins of human religious belief among children and to understand how we develop our capacity for religious belief. (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 3310 (640:138). 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. (HUM 3138 (680:138)) (Variable)

RELS 3320 (640:140). Black Liberation and the Black Church — 3 hrs.

Explores black liberation in America through advancing the understanding of black nationalism, the black church, and black liberation theology from an historical and social/political perspective. Some knowledge of African American culture and thought recommended. (Variable)

RELS 3340. Existentialism — 3 hrs.

The unique contribution of existentialism to philosophy in its sustained focus on everyday life: the contradictions of human existence, the human body, the existence of others, and human freedom. (Same as PHIL 3340) (Variable)

RELS 3500 (640:171). 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 (640:173). 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. Prerequisite(s): junior standing. (Same as CAP 3173 (CAP:173) and PHIL 3510 (650:173)) (Fall and Spring)

RELS 4186/5186 (640:186g). Studies in Religion — 3 hrs.

Topics listed in Schedule of Classes. Prerequisite(s): junior standing. (Fall and Spring)

RELS 4230/5230 (640:117g). 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 HISUS 4250/5250 (961:145g)) (Odd Springs)

RELS 4490. Senior Seminar — 3 hrs.

Through reflection, integration, and professional discernment, majors in philosophy and 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. (Same as PHIL 4490) (Even Falls)

Course Descriptions

RELS 4550. Ethics Practicum — 1-3 hrs.

Combines service-learning with study of theoretical and applied ethics. Students work 4-6 hours per week in a community agency and meet with instructor. May be repeated once. Prerequisite(s): one completed or concurrent ethics course; consent of instructor. (Same as PHIL 4550) (Variable)

Safety Education Courses (SAFETYED)

Courses

SAFETYED 4130/5130 (300:130g). Driver and Traffic Safety I — 3 hrs.

Classroom and practice driving units; safety education as a social problem; development of safety skills, habits, attitudes, and ideals; accident causes; study of research. Prerequisite(s): junior standing. (Variable)

SAFETYED 4131/5131 (300:131g). Driver and Traffic Safety II — 3 hrs.

Classroom and in-the-car techniques of imparting instruction to high school students taking driver education. Prerequisite(s): junior standing. (Variable)

SAFETYED 4192/5192 (300:192g). Experience in Safety Education — 2-4 hrs.

Offered in various specialized fields; may be repeated once for credit in a different area. Maximum of 8 hours credit. Prerequisite(s): junior standing. (Variable)

School Library Studies Courses (SLS)

Courses

SLS 4114/5114 (350:114g). 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 (350:115g). 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 (350:114g)/5114 (350:114) or consent of program coordinator. (Variable)

SLS 4132/5132 (350:132g). 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 (350:114g) or consent of instructor. (Variable)

SLS 4134/5134 (350:134g). 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 (350:114g) or consent of instructor. (Variable)

SLS 6223 (350:223). 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 (350:114g). Prerequisite(s) or corequisite(s): SLS 4132/5132 (350:132g) or SLS 4134/5134 (350:134g) or SLS 6250 (350:250). (Variable)

SLS 6225 (350:225). 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 (350:114g). (Variable)

SLS 6230 (350:230). 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 (350:115g)/5115 (350:115). (Variable)

SLS 6250 (350:250). 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 (350:115g). (Variable)

SLS 6289 (350:289). 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 (350:223); SLS 6250 (350:250). (Variable)

SLS 6290 (350:290). 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 (350:114g); SLS 6223 (350:223); or written consent of instructor. (Variable)

SLS 6295 (350:295). 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 (350:250). (Variable)

SLS 6299 (350:299). 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 (350:295); consent of department. (Variable)

Science Education Courses (SCI ED)

Courses

SCI ED 1100 (820:033). Inquiry into Earth and Space Science — 4 hrs.

Inquiry-oriented introduction to fundamental concepts and processes in meteorology, astronomy, and geology using active investigation. Integrated lecture/lab for 5 periods. For Elementary Education and Early Childhood majors only. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

SCI ED 1200 (820:032). Inquiry into Life Science — 4 hrs.

Inquiry-oriented introduction to fundamental concepts and processes in life science that includes ecology, evolution, cell biology, and human body systems. Integrated lecture/lab for 5 periods. For Elementary Education and Early Childhood Education majors only. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

SCI ED 1300 (820:031). Inquiry into Physical Science — 4 hrs.

Inquiry-oriented introduction to fundamental concepts and processes in physics and chemistry that includes energy, force and motion, and the nature of matter. Integrated lecture/lab for 5 periods. For Elementary Education and Early Childhood Education majors only. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall and Spring)

SCI ED 1600 (820:095). Exploring Science Teaching — 1 hr.

Exploration of science teaching with well-qualified teacher speakers, classroom discussions about innovative teaching, student learning, and teaching as a profession. Brief field experience included. Discussion, 1 period. Prerequisite(s): consent of instructor. (Fall and Spring)

SCI ED 2300 (820:181). 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 (820:031). (Even Springs)

SCI ED 3100/5100 (820:130g). Integrating Science, Technology, Engineering, and Mathematics in the Elementary Classroom — 2 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): junior standing; two courses from SCI ED 1200 (820:032), SCI ED 1300 (820:031), and SCI ED 1100 (820:033) OR approval of the instructor. (Even Falls)

SCI ED 3300/5300 (820:190g). 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, 3 periods. Field experiences in secondary school science classroom. Prerequisite(s): TEACHING 3128; a major or minor in a science area; junior standing. (Fall and Spring)

SCI ED 3500/5500 (820:113g). 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 (820:198). Independent Study. (Variable)

SCI ED 4700/5700 (820:193g). Methods for Teaching Physical Science — 3 hrs.

Teaching approaches, instructional and assessment strategies, curricular and laboratory materials, and issues in grades 5-12 physical science, physics, chemistry, and earth science. Field experiences in secondary school science classrooms. Discussion, 3 periods. Prerequisite(s): TEACHING 3128; EDPSYCH 3148 (200:148); MEASRES 3150 (250:150); SCI ED 3300/5300 (820:190g); SCI ED 3200; junior standing. (Fall)

SCI ED 6299 (820:299). Research.

Prerequisite(s): consent of department. (Fall, Spring, Summer)

SCI ED 6400 (820:270). 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 — 3 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 (820:294). 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 (820:200). The History, Philosophy, and Nature of Science — 2 hrs.

Examination of the nature of science, major philosophical and historical developments of science, and their implications to the science classroom. Seminar format, 2 hours/week. (Odd Summers)

SCI ED 6800 (820:213). 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 (820:290). Trends and Issues in Science Education — 2 hrs.

Major trends and issues in science education, focusing primarily from the 1950s to the present. Seminar format, 2 hours/week. (Even Summers)

Social Foundations Courses (SOCFOUND)

Course Descriptions

Courses

SOCFOUND 3119 (260:119). 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 4134/5134 (260:134g). 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 (260:299). Research.

Prerequisite(s): consent of department. (Variable)

Social Science Courses (SOC SCI)

Courses

SOC SCI 1020 (900:020). 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 (900:041). 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). (Same as SW 1041 (450:041)) (Fall and Spring)

SOC SCI 1045 (900:045). 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. [Same as SW 2045 (450:045)] (Fall and Spring)

SOC SCI 4199/5199 (900:199g). Study Tour — 1-8 hrs.

Directed program of study abroad. Programs to Europe, Asia, Latin America, Middle East, and other world areas. Study of social,

historical, economic, and/or political characteristics of other countries and cultures. Prerequisite(s): junior standing. (Variable)

SOC SCI 6297 (900:297). Practicum.

(Variable)

SOC SCI 6299 (900:299). Research.

Prerequisite(s): consent of department. (Variable)

Social Science Education Courses (SOCSCIED)

Courses

SOCSCIED 3190. 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): TEACHING 3128; consent of instructor. (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): SOC SCI 3190; 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. (Fall and Spring)

SW 1041 (450:041). 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). (Same as SOC SCI 1041 (900:041)) (Fall and Spring)

SW 2045 (450:045). 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. [Same as SOC SCI 1045 (900:045)] (Fall and Spring)

SW 2080 (450:080). Statistics for Social Work — 3 hrs.

This course introduces students to descriptive and rudimentary inferential statistics for social workers. Emphasis is on understanding and calculations of central tendency measures, measures of dispersion and measures relating to the standard normal distribution. Students will review basic statistical methods (Descriptive and Inferential Statistics; Measures of Association), and become familiar with basic parametric and non-parametric techniques. Prerequisite(s): completion of mathematics requirement for the Liberal Arts Core. (Fall and Spring)

SW 2091 (450:091). 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. Prerequisite(s) or corequisite(s): SW 1001; or consent of instructor. (Fall and Spring)

SW 3102 (450:102). Conflict Resolution — 3 hrs.

Survey of social science theory and research in conflict resolution with emphasis on development of less destructive modes of problem solving in social formations. Prerequisite(s): SW 1001 or PSYCH 1001 (400:001) or SOC 1000 (980:001) or consent of instructor; junior standing. [Same as ANTH 3470 (990:102) and SOC 3090 (980:102)] (Fall and Spring)

SW 3185 (450:185). 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. Prerequisite(s): MATH 1100 (800:023) or equivalent; SOC 2020 (980:080); junior standing. (Fall and Spring)

SW 3189 (450:189). 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 (450:192). 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. Prerequisite(s): Social Work major; completion of SW 2091 (450:091) with a minimum grade of C; minimum UNI GPA of 2.40. (Fall and Spring)

SW 4121 (450:121g). 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. Prerequisite(s): SOC 1000 (980:001) or SOC 1060 (980:060); junior standing. (Variable)

SW 4143 (450:143g). Self-Care and Stress Management in Helping Professions — 3 hrs.

Stress and stress management for helping professionals and their clientele. Physiological, psychological, social, and economic factors that produce stress and strategies for coping with those stressors. Prerequisite(s): junior standing. (Variable)

SW 4144 (450:144g). 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.

Prerequisite(s): SW 1001; SW 1041 (450:041); senior standing. (Fall and Spring)

SW 4163 (450:163g). Diversity and Difference — 3 hrs.

Study of interpersonal and social relations of minority groups within the larger American society. Prerequisite(s): SOC 1000 (980:001); junior standing. (Fall and Spring)

SW 4164 (450:164g). 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. Prerequisite(s):

FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); BIOL 1014 (840:014) or a course in biology; junior standing. (Fall and Spring)

SW 4171/5171 (450:171g). 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 addictions 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 (450:173g). 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): SW 1041 (450:041); junior standing. (Variable)

SW 4175/5175 (450:175g). 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. Prerequisite(s): junior standing. (Variable)

SW 4193 (450:193g). 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): SW 3192 (450:192); junior standing. (Variable)

SW 4194/5194 (450:194g). 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 (450:196g). 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,

Course Descriptions

for populations at risk. Prerequisite(s): SW 3192 (450:192); junior standing. (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. Prerequisite(s): SW 1001; SW 4164 (450:164g); SW 3185 (450:185) and a statistics course; completion of SW 2091 (450:091) and SW 3192 (450:192) with a minimum grade of C in each course; Social Work major; minimum UNI GPA of 2.50; senior standing. (Fall, Spring, Summer)

SW 6212 (450:212). 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 (450:213). 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 (450:214). 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 (450:215). Social Work Practice II — 3 hrs.

Building on SW 6214 (450:214), 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 (450:214). (Spring)

SW 6216 (450:216). 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 (450:218). 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 (450:212); SW 6214 (450:214); SW 6216 (450:216); 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 (450:212); SW 6214 (450:214); SW 6216 (450:216); 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 (450:215); 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 (450:230). 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 6240 (450:240). DSM V: Balancing Strengths and Differential Diagnosis — 3 hrs.

The purpose of this course is to introduce students to prevalent psychiatric disorders using the DSM-5. 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. Prerequisite(s): Admission to the graduate program in Social Work. (Fall and Spring)

SW 6244 (450:244). 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 6262 (450:262). 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

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graduation from a Council on Social Work Education accredited undergraduate curriculum. (Variable)

SW 6263 (450:263). 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 (450:218)). 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. Trauma Informed Practice Practicum — 8 hrs.

Field practicum for second year M.S.W. Trauma Informed Practice concentration 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. Trauma Informed Practice 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. Trauma Informed Practice Practicum I — 3 hrs.

Fall semester practicum for second year M.S.W. Trauma Focused Clinical Practice concentration 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. Trauma Informed Practice Practicum I Seminar — 2 hrs.

This seminar complements SW 6268 Trauma Informed Practice Practicum I. This is a graded portion of field practicum. (Fall)

SW 6270. Trauma Informed Practice Practicum II — 3 hrs.

Practicum placement for second year M.S.W. Trauma Informed Practice concentration 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. Trauma Informed Practice Practicum II Seminar — 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 (450:285). 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 (980:001). Introduction to Sociology — 3 hrs.

Scientific approach to analysis and understanding of culture, human groups and institutions, personality, self, and social control. (Fall and Spring)

SOC 1060 (980:060). Social Problems — 3 hrs.

Analysis of nature and range of social problems arising in modern industrial society. Consideration given to conditions creating them and methods by which society seeks to cope with them. (Variable)

SOC 2000. The Sociological Career — 3 hrs.

This course helps students prepare for sociology careers. Students will: Explore skill sets in this major; View sociology in multiple career areas; Visit with alumni; Engage with students in the Sociology Club;

Prepare job search materials; Utilize career resources on campus. (Fall)

SOC 2010 (980:108). 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 (980:001). (Fall and Spring)

SOC 2020 (980:080). Statistics for Social Research — 3 hrs.

Levels of measurement, frequency distributions, graphic representations, measures of average, measures of dispersion, cross-tabulation and measures of association, Pearson correlation, bivariate regression analysis, probability and hypothesis testing, inferences involving single sample and two samples, and analysis of variance. Prerequisite(s): completion of mathematics requirement for the Liberal Arts Core. (Fall and Spring)

SOC 2030 (980:105g). Sociology of Families — 3 hrs.

Examination of social aspects of families by reviewing research on topics such as mate selection, marital quality, work and families, parenthood, divorce and remarriage, and family diversity. Prerequisite(s): SOC 1000 (980:001). (Spring)

SOC 2040 (980:156g). Social Movements — 3 hrs.

Explores sociological and social psychological theories and concepts of the genesis, dynamics, and demise of modern social movements. Students also experience social movement dynamics first-hand by participating in a local social movement organization. Prerequisite(s): SOC 1000 (980:001). (Variable)

SOC 2075 (980:100g). Social Psychology — 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. Prerequisite(s): SOC 1000 (980:001). (Variable)

SOC 3001 (980:177). 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 (400:001) or SOC 1000 (980:001) or ANTH 1002 (990:011). (Same as ANTH 3001 (990:177)) (Spring)

SOC 3035/5035 (980:125g). Social Gerontology — 3 hrs.

Personal, interpersonal, and societal factors in the human aging process; emphasis on family, community, and governmental responsibility in defining and resolving problems of the aged in modern industrial society. Prerequisite(s): SOC 1000 (980:001); junior standing. (Fall)

SOC 3037/5037 (980:045g). Race, Ethnicity and Social Justice — 3 hrs.

The nature, origin, and consequences of race and ethnicity as sources of differentiation and inequality. Examines competing theories, the distribution of resources across groups, and social processes related to race, ethnicity, and social justice. Prerequisite(s): SOC 1000 (980:001); junior standing. (Variable)

SOC 3045/5045 (980:135g). 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 (980:001); junior standing. (Spring)

SOC 3050/5050 (980:129g). 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 (980:138g). Sociology of Culture — 3 hrs.

Culture permeates our lives, as a powerful and everyday force in society. Covers classical and contemporary theory, the high and popular culture debate, and the production and reception/consumption of culture. Prerequisite(s): SOC 1000 (980:001); junior standing. Prerequisite(s) or corequisite(s): SOC 2010 (980:108). (Spring)

SOC 3070/5070 (980:170g). Sociological Theory — 3 hrs.

An overview of classical and contemporary social theory. Prerequisite(s): SOC 1000 (980:001); junior standing. (Spring)

SOC 3080/5080 (980:120g). 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 (980:001) or ANTH 1002 (990:011); junior standing. (Same as ANTH 3080/5080 (990:120g)) (Variable)

SOC 3085/5085 (980:172g). Sociology of Religion — 3 hrs.

Examination of social bases of religious institutions; factors in religious evolution and change; comparative analysis of religious organizations and religious behavior; functions of religion in the social structure. Prerequisite(s): SOC 1000 (980:001); junior standing. (Fall)

SOC 3090 (980:102). Conflict Resolution — 3 hrs.

Survey of social science theory and research in conflict resolution with emphasis on development of less destructive modes of problem solving in social formations. Prerequisite(s): SW 1001 or PSYCH 1001 (400:001) or SOC 1000 (980:001) or consent of instructor; junior standing. [Same as ANTH 3470 (990:102) and SW 3102 (450:102)] (Fall and Spring)

SOC 3102/5102 (980:168g). 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 (980:001) or ANTH 1002 (990:011); junior standing. (Same as ANTH 3102/5102 (990:168g)) (Variable)

SOC 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. [Same as CAP 3151 (CAP:151)] (Variable)

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SOC 3175/5175. Environmental Sociology — 3 hrs.

This course is an overview of the human-environment interactions from a social science perspective. Prerequisite(s): junior standing. (Variable)

SOC 3179 (980:179). Cooperative Education — 1-6 hrs.

Experiential learning in cooperation with the Cooperative Education office. Prerequisite(s): 12 hours in sociology including SOC 2010 (980:108); junior standing; consent of instructor and department head and Cooperative Education office. (Fall, Spring, Summer)

SOC 3411/5411 (980:167g). 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 (400:001) or SOC 1000 (980:001) or ANTH 1002 (990:011); junior standing. (Same as ANTH 3104/5104 (990:167g) and PSYCH 4608/5608 (400:167g)) (Spring)

SOC 4015/5015 (980:178g). Qualitative Research — 3 hrs.

Development and application of qualitative descriptive and analytic methods used in social science research. Prerequisite(s): SOC 1000 (980:001) or ANTH 1002 (990:011); junior standing. [Same as ANTH 4015/5015 (990:178g)] (Variable)

SOC 4025/5025 (980:160g). Quantitative Research — 3 hrs.

This course provides an intermediate overview of methods used to collect, analyze, and present quantitative sociological data, with an emphasis on survey research. Students will gain applied research skills in the context of completing survey research projects. Prerequisite(s): SOC 1000 (980:001), SOC 2010 (980:108) or equivalent, completion of LAC math requirement; SOC 2020 (980:080) or equivalent; junior standing. (Variable)

SOC 4035/5035. 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 2020 (980:080); or Level 3000 class in statistics (classes that have covered measures of association between variables) or Graduate Standing; or consent of the instructor. (Variable)

SOC 4050 (980:101). Sociology of Gender — 3 hrs.

Explores theories about gender differentiation and inequality. Analyzes the ways that gender influences social life within major institutions such as media, family, work, education, and politics. Focuses on the U.S. but also comparative. Prerequisite(s): SOC 1000 (980:001). Prerequisite(s) or corequisite(s): SOC 2010 (980:108). (Fall)

SOC 4071/5071 (980:171g). 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 (900:020) or SOC 1000 (980:001) or ANTH 1002 (990:011) or WGS 1040 (680:040); junior standing. (Spring)

SOC 4198 (980:198). Independent Study — 1-3 hrs.

May be repeated with department head approval. Prerequisite(s): 12 hours in sociology including SOC 2010 (980:108); 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. Prerequisite(s): 12 hours in sociology

including SOC 2010 (980:108); junior standing. (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 (980:108) 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 (980:108); 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 (980:108); 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 6299 (980:299). Research.

Prerequisite(s): consent of instructor and department head. (Variable)

Spanish Courses (SPAN) Courses

SPAN 1001 (780:001). 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 (780:002). Elementary Spanish II — 3 hrs.

Continuation of SPAN 1001 (780:001). Not recommended for students who have had three or more years of Spanish in high school or the equivalent. Prerequisite(s): SPAN 1001 (780:001) 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 (780:011). 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 (780:002) or SPAN 1003 or equivalent. (Fall and Spring)

SPAN 2002 (780:055). 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 (780:011) or equivalent. (Fall and Spring)

SPAN 2053 (780:053). Spanish for Special Purposes: _____ — 2-3 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 (780:011) or equivalent. (Fall and Spring)

SPAN 3000 (780:100). 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 (780:101) or SPAN 3050/5050 (780:150g) or SPAN 3006 or equivalent; TEACHING 3128. Prerequisite(s) or corequisite(s): SPAN 2002 (780:055) and consent of instructor. (Variable)

SPAN 3001 (780:101). 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 (780:055) or equivalent. (Fall and Spring)

SPAN 3002/5002 (780:102g). Advanced Spanish for Special

Purposes: _____ — 2-3 hrs.

Enhance speaking, writing, and cultural skills for particular professional or occupational situations. Prerequisite(s): SPAN 2053 (780:053) or SPAN 2002 (780:055) or equivalent; junior standing. (Variable)

SPAN 3003 (780:103). 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 (780:055) or equivalent. (Variable)

SPAN 3004 (780:104). 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): SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) 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 (780:107). Introduction to Translation — 3 hrs.

Basic considerations regarding theoretical and applied translation and role of contrastive grammar in translation. Prerequisite(s): SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent. (Fall and Spring)

SPAN 3008/5008 (780:108g). Introduction to Spanish Linguistics — 2-3 hrs.

Survey of the basic concepts of modern linguistics, as illustrated through Spanish phonology, morphology, syntax, and semantics. Prerequisite(s): SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent; junior standing. (Fall and Spring)

SPAN 3012 (780:112). 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 (780:104) or equivalent. (Spring)

SPAN 3018 (780:118). Survey of Spanish Literature — 3 hrs.

Overview of Spanish literature through works of representative authors of different periods and genres. Prerequisite(s): SPAN 3004 (780:104) or equivalent. (Fall)

SPAN 3020 (780:120). 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 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent. (Variable)

SPAN 3023 (780:123). 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 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent. (Variable)

SPAN 3027 (780:127). 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 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent. (Variable)

SPAN 3031 (780:131). 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 (780:112) or SPAN 3018 (780:118). (Variable)

SPAN 3035 (780:135). 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 (780:112) or SPAN 3018 (780:118). (Variable)

SPAN 3050/5050 (780:150g). 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 (780:151g). 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 (780:152g). 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 (780:141g). 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 (780:120) or

Course Descriptions

SPAN 3023 (780:123) or SPAN 3027 (780:127) or SPAN 3052/5052 (780:152g) or equivalent; junior standing. (Variable)

SPAN 4043/5043 (780:143g). Pronunciation and Oral Proficiency — 2-3 hrs.

Practice in pronunciation with focus on oral proficiency.

Prerequisite(s): SPAN 3008/5008 (780:108g) or equivalent; junior standing. (Variable)

SPAN 4045/5045 (780:145g). Translation — 2-3 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 (780:107) or equivalent; junior standing. (Variable)

SPAN 4046/5046 (780:146g). Topics in Language and Culture: _____ — 3 hrs.

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): SPAN 3020 (780:120) or SPAN 3023 (780:123) or SPAN 3027 (780:127) or SPAN 3052/5052 (780:152g) or equivalent; junior standing. (Variable)

SPAN 4047/5047 (780:147g). Structure of Spanish — 2-3 hrs.

Study of Spanish syntax using current linguistic theories.

Prerequisite(s): SPAN 3008/5008 (780:108g) or equivalent; junior standing. (Variable)

SPAN 4062/5062 (780:162g). Spanish American Literature: _____ — 2-3 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 3012 (780:112) or SPAN 3018 (780:118) or equivalent; junior standing. (Variable)

SPAN 4063/5063 (780:163g). Peninsular Literature: _____ — 2-3 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 3012 (780:112) or SPAN 3018 (780:118) or equivalent; junior standing. (Variable)

SPAN 4064/5064 (780:164g). Hispanic Literature: _____ — 2-3 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 3012 (780:112) or SPAN 3018 (780:118) or equivalent; junior standing. (Variable)

SPAN 4066/5066 (780:166g). Topics in Literature and Culture: _____ — 2-3 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 3012 (780:112) or SPAN 3018 (780:118) or equivalent; junior standing. (Variable)

SPAN 4091 (780:191). 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 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or

equivalent; TEACHING 3128. Corequisite(s): LANG 4090. (Fall or Spring)

SPAN 6001 (780:201). 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 (780:221). 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 (780:231). Cervantes — 3 hrs.

Intensive study of Don Quijote. (Variable)

SPAN 6035 (780:235). Golden Age Literature — 2-3 hrs.

Outstanding literary works of the Renaissance and Baroque eras. (Variable)

SPAN 6040 (780:240). Analysis of Spanish — 2-3 hrs.

Advanced study of current syntactic theories applied to topics relevant to Spanish. Prerequisite(s): SPAN 3008/5008 (780:108g) or consent of instructor. (Variable)

SPAN 6041 (780:241). Old Spanish — 2-3 hrs.

Literary and linguistic study of selected early works. Prerequisite(s): SPAN 3008/5008 (780:108g) or consent of instructor. (Variable)

SPAN 6045 (780:245). Translation Techniques — 2-3 hrs.

Contemporary theories and strategies in translation. Prerequisite(s): SPAN 4045/5045 (780:145g) or equivalent translation skills. (Variable)

SPAN 6052 (780:252). 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 (780:260). 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 (780:261). Spanish Literature: _____ — 2-3 hrs.

Study of Spanish literature by period, theme, and/or author. May be repeated on different topic. (Variable)

SPAN 6062 (780:262). Comparative Hispanic Literatures: _____ — 3 hrs.

Comparative analysis of Spanish and Spanish American literature thematically, structurally, and/or stylistically. (Variable)

SPAN 6289 (780:289). 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 (220:150). 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 (220:150). Prerequisite(s): EDPSYCH 2030 (200:030). (Fall and Spring)

SPED 4125/5125 (220:125g). Current Issues in Visual Impairments — 2 hrs.

Current issues in the education of students with visual impairments. Topics will include current research, historical context, students with additional disabilities and the impact of visual impairments on children and their families. Prerequisite(s): junior standing. (Variable)

SPED 4126/5126 (220:126g). Braille Learning and Tactile Communication I — 3 hrs.

Addresses issues in braille learning, literacy codes, and other methods of preparing braille materials along with instructional methods and strategies. Prerequisite(s): junior standing. (Variable)

SPED 4132/5132 (220:132g). Introduction to Visual Impairments — 3 hrs.

Overview of the field of visual impairments including types of services, placements, and instructional strategies along with legal, demographic, psychological, and historical perspectives of education for students with visual impairments. Hands-on experience through demonstration and simulation provides student with understanding and knowledge of educating students with visual impairments. Covers educational implications of students who are blind, as well as those who have low vision. Prerequisite(s): junior standing. (Variable)

SPED 4134/5134 (220:134g). Foundations of Orientation and Mobility — 3 hrs.

Focus on theory and learning of basic orientation and mobility skills and techniques by students with visual impairments. Students will gain understanding and knowledge about practical methods used for concept development, orientation skills, basic travel skills and techniques, and safe travel. Covers sighted guide techniques, electronic travel aids, and introduction to cane travel. Prerequisite(s): junior standing. (Variable)

SPED 4136/5136 (220:136g). Methods of Teaching Students with Visual Impairments — 3 hrs.

Covers assessment issues of students with visual impairments and instructional strategies applicable to students with visual impairments in all subject areas. Focus on expanded core curriculum for students with visual impairments. In conjunction with student teaching, provides students with opportunity to apply learned methods to teach students with visual impairments and assessment and instruction needs in real-life situations. Prerequisite(s): SPED 4132/5132 (220:132g); junior standing. (Variable)

SPED 4138/5138 (220:138g). Anatomy of the Eye and Educational Implications of Low Vision — 3 hrs.

Focus on basic structure of the eye and the visual system. Evaluation of the educational needs of specific visual disabilities along with assessment instruments and techniques, including discussion of functional vision assessment. Other topics include research in technology relevant to reading and writing with optical and non-optical devices, psycho-social implications of low vision conditions, curricular materials appropriate for students with low vision, and interpretation of ocular reports presented for specific visual

disabilities. Prerequisite(s): SPED 4132/5132 (220:132g); junior standing. (Variable)

SPED 4140/5140 (220:140g). Services to Families with Infants and/or Toddlers with Developmental Delays or Disabilities — 3 hrs.

Provides information and methods for working collaboratively with interagency personnel to support families and their infants and/or toddlers experiencing developmental delays or disabilities. Prerequisite(s): SPED 3150 (220:150); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192d. (Fall)

SPED 4141/5141 (220:141g). Including Young Children with Special Needs Into the General Education Programs — 3 hrs.

Advanced best practices for educating young children with diverse learning needs in the general education classroom. Prerequisite(s): SPED 3150 (220:150); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g) (e). (Spring)

SPED 4142/5142 (220:142g). Classroom Instructional Management for Students with Disabilities (K-8) — 3 hrs.

Designed to develop the instructional and behavioral management competencies required to teach K-8 students with disabilities. Prerequisite(s): SPED 3150 (220:150); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g). (Fall and Spring)

SPED 4143/5143 (220:143g). Classroom Instructional Management for Students with Disabilities (5-12) — 3 hrs.

Designed to develop the instructional and behavioral management competencies required to teach students in grades 5-12 with disabilities. Prerequisite(s): SPED 3150 (220:150); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g). (Spring)

SPED 4144/5144. Special Education Issues and Practices for Infants and Toddlers — 3 hrs.

Methods of designing and implementing appropriate curriculum and supports for children aged birth to three, with an emphasis on children who display special developmental needs and challenges. Prerequisite(s): ELEMECML 4151/5151 (210:151g); junior standing. Corequisite(s): ELEMECML 4121/5121 (210:121g); ELEMECML 4122. (Fall, Spring, Summer)

SPED 4145/5145. Community Resources for Special Education — 3 hrs.

Study of cooperation and coordination of the school and other agencies serving persons with disabilities, including various programs and services provided by governmental and private organizations. Prerequisite(s): SPED 3150 (220:150); junior standing; consent of instructor. (Variable)

SPED 4147/5147 (220:147g). Designing Curriculum & Instruction - Secondary Students with Mild/Mod Disabilities (5-12) — 3 hrs.

Deals with pragmatic knowledge about assessment, methodologies, techniques, and technology related specifically for group instruction of students in grades 5-12 with mild/moderate disabilities. Prerequisite(s): SPED 3150 (220:150); SPED 4151/5151 (220:151g) (or concurrent enrollment); SPED 4170; SPED 4174; SPED 4176; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4181; SPED 4192/5192 (220:192g) (Field Experience Practicum 2). (Spring)

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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 (220:150); junior standing. Registration requires full admission to the Teacher Education Program. (Fall and Spring)

SPED 4151/5151 (220:151g). 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 (220:150); 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. Educational Management in Special Education — 3 hrs.

Individual behavior management, behavioral change strategies, and classroom management for students with special needs. Prerequisite(s): SPED 3150 (220:150); 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 (220:150); MEASRES 3150 (250:150); 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. Prerequisite(s): SPED 3150 (220:150); 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 4167/5167 (220:167g). Current Issues in the Education of Students with Severe Disabilities — 2 hrs.

Current issues in the education of students with severe disabilities, including historical context, etiology, and impact on the children and family. Prerequisite(s): SPED 3150 (220:150); junior standing. (Fall)

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

(220:150); 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 (220:192g) (a) or SPED 4192/5192 (220:192g) (b) or SPED 4192/5192 (220:192g) (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 (220:151g). (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 (220:150); SPED 4150/5150; SPED 4161/5161; SPED 4162/5162; SPED 4163/5163; LITED 3115 (230:115); 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 (220:192g) (a) Practicum in Instructional Strategist I K-8. Prerequisite(s) or corequisite(s): SPED 4151/5151 (220:151g). (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 (220:150); SPED 4150/5150; SPED 4161/5161; SPED 4162/5162; SPED 4163/5163; LITED 3115 (230:115) (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 (220:192g) (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 (220:151g). (Fall and 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 4182/5182. Introduction to Assistive Technology for Instruction — 3 hrs.

Designed to familiarize current and future educators in related exceptional education service personnel with educational and assistive technologies (AT) used to support individuals with a range of exceptional education needs. Provides information regarding legal aspects of AT and an orienting framework for evaluating the need for and success of AT. Prerequisite(s): SPED 3150 (220:150); junior standing. (Spring)

SPED 4183/5183 (220:183g). Designing Curriculum and Instruction for Students with Intellectual Disabilities (K-12) — 3 hrs.

Instructional methods, materials, and assessment for students with intellectual disabilities; emphasis on creating access to curriculum and supporting students within the inclusive classroom. Prerequisite(s): SPED 3150 (220:150); SPED 4151/5151 (220:151g); SPED 4170; SPED 4174; SPED 4176; LITED 3115 (230:115); MATH 3204 (elementary education majors) or MATH 2303 (secondary education majors); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4181; SPED 4192/5192 (220:192g) (Field Experience Differentiated Practicum 2). (Fall and Spring)

SPED 4184/5184 (220:184g). Professional Interdisciplinary Relationships in Special Education I — 3 hrs.

Development of professional behaviors characterized by positive personal interaction with others and effective team skills. Strategies for collaborating with parents, regular and special educators, paraprofessionals, and other individuals in the educational program. Prerequisite(s): SPED 3150 (220:150); junior standing. (Fall and Spring)

SPED 4185/5185 (220:185g). Readings in Special Education — 1-2 hrs.

Reading and discussion of current methodological developments and innovations in special education. May be repeated once for maximum of 2 hours. Prerequisite(s): junior standing. (Fall, Spring, Summer)

SPED 4187/5187 (220:187g). Teaching Preschool and Elementary Students with Severe Disabilities — 3 hrs.

Instructional methods, materials, and assessment for students with severe disabilities in the inclusive classroom. Emphasis on strategies for supporting students with significant needs in the general education classroom. Prerequisite(s): SPED 4167/5167 (220:167g) or consent of instructor; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g) or consent of instructor. (Spring)

SPED 4188/5188. Coordination Techniques in Cooperative Work-based Learning Programs — 3 hrs.

This course is designed to develop knowledge of work experience models and coordination technique skills for educators providing and evaluating work-based learning for youth with disabilities. Prerequisite(s) or corequisite(s): SPED 4151/5151 (220:151g); junior standing. (Variable)

SPED 4192/5192 (220:192g). 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 (220:240). 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 (220:245). 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 (220:254). 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 (220:151g) or consent of instructor. (Variable)

SPED 6256 (220:256). Best Practices in Inclusion — 3 hrs.

Provides preparation in pedagogical, curricular, and professional collaboration practices, and provides knowledge of empirical, legal, and historical considerations integral to the accommodation of all learners into the general education classroom. Prerequisite(s): graduate standing. (Variable)

SPED 6260 (220:260). 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 (220:278). 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 (220:289). 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 (220:290). Practicum — 1-6 hrs.

Requires written consent of department. May be repeated for maximum of 9 hours. (Fall and Spring)

SPED 6293 (220:293). 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 (250:205). (Fall)

SPED 6295 (220:295). 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

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between applied research and best practices in teaching persons with disabilities. Prerequisite(s) or corequisite(s): MEASRES 6205 (250:205). (Spring)

SPED 6299 (220:299). 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 (220:386). 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 (800:072). 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 (800:064). Students with credit in STAT 3770 should not enroll in STAT 1772 (800:072). Prerequisite(s): Satisfactory score on ALEKS exam. (Fall, Spring, Summer)

STAT 1774 (800:064). 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 (800:072). Prerequisite(s): Satisfactory score on ALEKS exam. (Fall and 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 (800:072). Prerequisite(s): MATH 1421 (800:061). (Same as MATH 3751 (800:173)) (Spring)

STAT 3752/5752 (800:152g). 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 (800:061); junior standing. (Same as MATH 3752/5752 (800:152g)) (Fall and Spring)

STAT 3771/5771 (800:121g). 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 (800:064) or STAT 1772 (800:072); junior standing. (Fall)

STAT 3775/5775 (800:174g). 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 (800:152g); junior standing. Prerequisite(s) or corequisite(s): MATH 2422 (800:062). (Spring)

STAT 3776/5776 (800:175g). Regression Analysis — 3 hrs.

Regression analysis, analysis of variance, time series methods. Prerequisite(s): STAT 3775/5775 (800:174g); junior standing. (Fall)

STAT 3778/5778 (800:171g). 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 (800:064) or STAT 1772 (800:072) or SOC 2020 (980:080); junior standing. (Same as GEOG 4340/5340 (970:160g)) (Odd Springs)

STAT 4772/5772 (800:122g). 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 (800:064) or STAT 1772 (800:072); junior standing. (Fall)

STAT 4773/5773 (800:123g). 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 (800:121g) or consent of instructor; junior standing. (Spring)

STAT 4777/5777 (800:157g). 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 (800:152g) or consent of instructor; junior standing. (Variable)

STAT 4779/5779 (800:196g). 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 (800:076); STAT 3775/5775 (800:174g); 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 (800:122g); Junior Standing. (Variable)

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 (800:062); MATH 2500 (800:076);

MATH 3752/5752 (800:152g). (Same as MATH 6746 (800:251)) (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 (800:062); STAT 1772 (800:072). (Same as MATH 6747 (800:252)) (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 (800:062); MATH 2500 (800:076); MATH 3752/5752 (800:152g). (Same as MATH 6748 (800:253)) (Fall and Spring)

STAT 6772 (800:272). 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 (800:123g). (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 (800:273)) (Variable)

Teaching Courses (TEACHING)

Courses

TEACHING 2017. Level 1 Field Experience: Exploring Teaching — 1 hr.

This course provides direct and indirect experiences with K-12 students in area schools allowing students the opportunity to observe child and adolescent development in context and to 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. Prerequisite(s): 2.5 cumulative GPA. Corequisite(s): EDPSYCH 2030 (200:030). (Fall, Spring, Summer)

TEACHING 3128. Level 2 Field Experience: Teacher as a Change Agent — 1 hr.

Field experience in which students are actively involved in preparing and teaching lessons in PK-12 school settings under the close supervision of a mentor teacher and field experience coordinator. 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): TEACHING 2017; EDPSYCH 2030 (200:030); or equivalents. Requires admission to teacher education and 2.50 cumulative GPA. Prerequisite(s) or corequisite(s):

EDPSYCH 3148 (200:148); MEASRES 3150 (250:150). (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 and complete 4-6 hours of field experience focused on management. Prerequisite(s): Full admission to Teacher Education, TEACHING 2017. Prerequisite(s) or corequisite(s): TEACHING 3128. (Fall and Spring)

TEACHING 3132 (280:132). 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, Spring, Summer)

TEACHING 3134 (280:134). 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 (280:135). 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 (280:137). 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 (280:138). 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

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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 (280:139). 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 (280:140). 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 (280:150). 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 (280:151). 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 (280:170g). Human Relations: Awareness and Application — 3 hrs.

Development of awareness of various societal subgroups, recognizing and dealing with dehumanizing biases, and learning to relate effectively 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 4191/5191 (280:191g). Supervision of Student Teaching — 3 hrs.

Designed primarily for those presently or potentially involved in the supervision of student teachers. Includes the selection and preparation of student teachers; readiness for student teaching; principles of supervision, including the identification and analysis of good classroom procedures and desirable experiences for the student teacher in the total school program; professional responsibilities of the student teacher in the school and community; evaluation of student teachers, and the supervising teacher's role in the selection of teachers for the profession. Also includes the selection and preparation of student teaching centers, qualifications of supervising teachers, and the role of the coordinator of student teaching. Prerequisite(s): junior standing. (Variable)

TEACHING 6250 (280:250). 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. (Spring)

TECH 1008 (330:008). Basic Manufacturing Processes — 3 hrs.

Materials and properties, fundamentals of metal casting, product design considerations, woodworking, plastics processing, metal forming, welding, assembly processes, powder metallurgy, and ceramic processing. Lecture and lab. (Fall and Spring)

TECH 1010 (330:010). 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. (Fall and Spring)

TECH 1011. Introduction to Graphic Programs — 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 Technologies. (Fall and Spring)

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 (330:017). 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. (Fall and Spring)

TECH 1018 (330:018). Construction Resources — 3 hrs.

Examination of the resources commonly utilized in the construction industry--money, materials, methods, processes, personnel--and their management. (Fall and Spring)

TECH 1019 (330:019). Introduction to Technology and Engineering Education — 3 hrs.

Evolution and contemporary approaches in technology and engineering education. Examination of career opportunities. (Fall)

TECH 1022 (330:022). Communication Technology — 3 hrs.

Assessment of historical, state-of-the-art communication technologies as tools for exchange of ideas and information. Encompasses digital imaging, printing, publications, wired/wireless communications, technical illustrations, multimedia, and Internet. (Fall and Spring)

TECH 1024 (330:024). Technical Drawing and Design I — 3 hrs.

Fundamentals of product design process; development of engineering drawings, geometric constructions, multi-view projections, section views, auxiliary view (pictorials) using 2D drafting software. Use of 3D CAD techniques for design of parts/components. Prerequisite(s): TECH 1017 (330:017) or pass a CAD Proficiency test. (Fall and Spring)

TECH 1025 (330:025). Construction Graphics — 3 hrs.

Analysis of the techniques used in developing construction drawings and reading construction specifications. Computer applications. Prerequisite(s) or corequisite(s): TECH 1018 (330:018). (Variable)

TECH 1037 (330:037). 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 (330:039). 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 (330:037). Prerequisite(s) or corequisite(s): MATH 1140 (800:046). (Spring)

TECH 1055 (330:055). 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 2020 (330:020). Communication Systems — 3 hrs.

Industrial communications techniques, tools, and management strategies associated with design and delivery of messages in organizations. (Variable)

TECH 2024 (330:023). Technical Drawing and Design II — 3 hrs.

Engineering design process, geometric dimensioning and tolerancing pertaining to ANSI Y14.5M-1994, fasteners, gears, cams, assembly modeling, and rapid prototyping. Prerequisite(s): TECH 1024 (330:024). (Fall and Spring)

TECH 2036 (330:036). 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. (Fall)

TECH 2038 (330:038). 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 (330:037); TECH 1039 (330:039); MATH 1150 (800:048) or MATH 1420 (800:060). (Fall)

TECH 2041 (330:041). 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 (330:037); TECH 1039 (330:039); MATH 1140 (800:046). (Fall)

TECH 2042 (330:042). 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): TECH 1037 (330:037); TECH 1039 (330:039); MATH 1140 (800:046). (Fall)

TECH 2045 (330:045). Construction Law and Documentation — 3 hrs.

Examination of construction contract principles, construction documents, and the component parts of law affecting construction operations. Prerequisite(s): TECH 1025 (330:025). (Variable)

TECH 2060 (330:060). 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. Prerequisite(s): sophomore standing. (Fall and Spring)

TECH 2070 (330:070). 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 epubbing. Prerequisite(s): TECH 1055 (330:055). (Fall and Spring)

TECH 2072 (330:072). Engineering Materials — 3 hrs.

Introductory course of principles and properties of materials, including metals, composites (concrete and asphalt), ceramics, wood, glass, and polymers. Lecture and lab. Prerequisite(s): CHEM 1020 (860:020) or CHEM 1110 (860:044); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); sophomore standing. (Fall and Spring)

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TECH 2080 (330:080). 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 (880:054) or PHYSICS 1701 (880:130). (Fall and Spring)

TECH 2096 (330:096). Construction Safety — 3 hrs.

OSHA standards (29 CFR Part 1926) for the construction industry. Fall protection, crane utilization, concrete and masonry, steel erection, demolition and scaffolding. Focus on the uniqueness of the construction industry and development of a comprehensive safety and health program. Prerequisite(s): sophomore standing. (Fall)

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. (Variable)

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 (880:011) or PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130). (Spring)

TECH 3024/5024 (330:122g). Advanced CAD and Modeling — 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. Students work in group projects for developing a product (parts and assembly) and 3D printing/prototyping the product. Lecture and lab. Prerequisite(s): TECH 1024 (330:024); junior standing. (Spring)

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. (Fall and Spring)

TECH 3101/5101 (330:101g). History and Philosophy of Career and Technical Education — 2 hrs.

Philosophy and historical development, principles, practices, and organization of public career and technical and adult education in the nation. Prerequisite(s): junior standing. (Variable)

TECH 3102 (330:102). 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 (CAP:102)) (Spring)

TECH 3113 (330:113). 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 (330:008); TECH 1010 (330:010); TECH 1024

(330:024); MATH 1150 (800:048) or MATH 1420 (800:060); CHEM 1020 (860:020) OR CHEM 1110; PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); TECH 2072 (330:072); junior standing. (Spring)

TECH 3114 (330:114). 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 (330:008); TECH 1017 (330:017) or TECH 1022 (330:022) or TECH 1024 (330:024); or consent of instructor; junior standing. (Fall)

TECH 3120 (330:120). 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 program evaluation. Prerequisite(s): TECH 1019 (330:019); junior standing. (Fall)

TECH 3121/5121 (330:121g). Applied Technology Systems — 3 hrs.

Applications and analysis of technology systems. Also includes equipment operation, maintenance, and safety. Prerequisite(s): TECH 1010 (330:010); TECH 1024 (330:024); junior standing. Students with AAS degree will be evaluated individually by department. (Spring)

TECH 3125/5125 (330:125g). Commercial and Heavy/Highway 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): ACCT 2120 (120:030); MGMT 2080 (150:080); TECH 1025 (330:025); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Spring)

TECH 3126/5126 (330:126g). Land, Route, and Construction Surveying — 3 hrs.

Principles of aerial, boundary, land and route surveying including leveling, area and earthwork volume calculation, photogrammetry, traverse computations, building, culvert, pipeline, municipal street, and highway construction. Design and layout of highway curves. Prerequisite(s): TECH 1018 (330:018); TECH 1025 (330:025); MATH 1420 (800:060); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Variable)

TECH 3127 (330:127). 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 (330:024); MATH 1150 (800:048) or MATH 1420 (800:060); CHEM 1020 (860:020) or CHEM 1110 (860:044); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); Junior Standing or Consent of Instructor. (Odd Springs)

TECH 3128 (330:128). Electrical Construction Materials and Methods — 3 hrs.

Basic principles of electricity and materials. Methods of electrical system designs in building construction. Prerequisite(s): TECH 2045 (330:045). Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Fall)

TECH 3129/5129 (330:129g). 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 (330:152); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); junior standing. (Fall)

TECH 3131/5131 (330:131g). 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. (Fall)

TECH 3132/5132 (330:132). 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 (860:020) or CHEM 1110 (860:044); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); or consent of instructor; junior standing. (Variable)

TECH 3134 (330:134). Molding Practices in Metal Casting — 3 hrs.

Study of molding practices used in contemporary metal casting. Prerequisite(s): TECH 2072 (330:072); CHEM 1020 (860:020) or CHEM 1110 (860:044); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); junior standing or consent of instructor. (Odd Falls)

TECH 3135/5135 (330:135g). 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 1024 (330:024); TECH 2024 (330:023); TECH 3024/5024 (330:122g); junior standing. (Spring)

TECH 3142 (330:142). 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 (800:046) or MATH 1150 (800:048) or MATH 1420 (800:060) or STAT 1772 (800:072); junior standing or consent of instructor. (Fall and Spring)

TECH 3143. Managing Operations and Manufacturing Systems — 3 hrs.

Analysis and management of Manufacturing functions. Topics include: forecasting, project management, operations cost analysis, plant layout, process planning, quality control, total quality management, statistical process control, inventory management, materials requirement. Prerequisite(s): MATH 1140 (800:046) or MATH 1150 (800:048) or MATH 1420 (800:060) or STAT 1772 (800:072); Junior Standing or Consent of Instructor. (Fall and Spring)

TECH 3144 (330:144). 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. (Fall)

TECH 3147 (330:147). 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. Prerequisite(s): TECH 1010 (330:010); TECH 1024 (330:024); TECH 2060 (330:060); junior standing or consent of instructor. (Odd Springs)

TECH 3148 (330:148). 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 (800:048) or MATH 1420 (800:060); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); TECH 2080 (330:080); Junior Standing or Consent of Instructor. (Fall)

TECH 3149 (330:149). Construction Estimating — 3 hrs.

Construction cost analysis techniques for estimating materials, labor, equipment, and subcontracting costs in commercial building construction. Prerequisite(s): TECH 1018 (330:018); TECH 1025 (330:025); TECH 2045 (330:045). Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. Corequisite(s): TECH 4124/5124 (330:124g); TECH 3125/5125 (330:125g). (Spring)

TECH 3150/5150 (330:150g). 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 (330:070); junior standing. (Spring)

TECH 3152 (330:152). 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 (330:037); TECH 1039 (330:039); TECH 2041 (330:041). Prerequisite(s) or corequisite(s): MATH 1150 (800:048) or MATH 1420 (800:060); sophomore standing. (Spring)

TECH 3156 (330:156). 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 (330:037); TECH 1039 (330:039); TECH 2042 (330:042) or CS 1410 (810:041); sophomore standing. (Spring)

TECH 3157/5157 (330:157g). 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 (330:152); TECH 3156

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(330:156); CS 1160 (810:036) or consent of instructor; junior standing. (Fall)

TECH 3160/5160 (330:160g). 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 3152 (330:152); TECH 3156 (330:156); TECH 3157/5157 (330:157g); junior standing. Corequisite(s): TECH 3129/5129 (330:129g). (Spring)

TECH 3163/5163 (330:163g). Advanced Digital Pre-Media — 3 hrs.

An advanced look into 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 (330:055); TECH 2070 (330:070); junior standing. (Spring)

TECH 3164/5164 (330:164g). 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): TECH 2038 (330:038); TECH 1039 (330:039); TECH 2041 (330:041); TECH 2042 (330:042); CS 1130 (810:030) or CS 1160 (810:036); junior standing. (Spring)

TECH 3166/5166 (330:166g). 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 (330:038); MATH 1150 (800:048) or MATH 1420 (800:060); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); junior standing. (Spring)

TECH 3168/5168 (330:168g). Technology Training Strategies — 3 hrs.

Developing training programs in technological environments, including analysis and utilization of program planning models for business and industry, and specific strategies for customizing training for various groups within an organization, including synchronous and asynchronous delivery methods. Prerequisite(s): junior standing. (Variable)

TECH 3169 (330:169). 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 (330:070). (Fall)

TECH 3177 (330:177g). Advanced Manufacturing Processes — 3 hrs.

Engineering analysis of different shaping processes; Non-traditional machining processes, rapid prototyping, 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.

Prerequisite(s): CHEM 1020 (860:020) or CHEM 1110 (860:044); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); MATH 1150 (800:048) or MATH 1420 (800:060); TECH 1008 (330:008); TECH 1010 (330:010); TECH 1024 (330:024); TECH 2060 (330:060); TECH 2072 (330:072); junior standing. (Odd Falls)

TECH 3180 (330:180). Lean and Sustainable Operations — 3 hrs.

Introduction to lean systems and concepts - basic philosophy of reducing waste in areas such as production, processing, inventory, transportation, waiting time, and scrap generation - to improve quality, reduce cost and production time, and sustainability in manufacturing and product design. Prerequisite(s): TECH 3143; MATH 1150 (800:048) or MATH 1420 (800:060) or STAT 1772 (800:072); junior standing or consent of instructor. (Spring)

TECH 3181/5181 (330:181g). Instructional Design for Career and Technical Education — 2 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. (Variable)

TECH 3182/5182 (330:182g). 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 (330:183). 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 3190/5190 (330:190g). Technology and Engineering Education Teaching Methods — 3 hrs.

Methods of teaching in technology and engineering education and related fields, including group and individualized instructional strategies. Includes 25 hours of field experience. Need minimum grade of C prior to student teaching. Prerequisite(s): TECH 1019 (330:019); junior standing. Prerequisite(s) or corequisite(s): TEACHING 3128. (Spring)

TECH 3191/5191 (330:191g). Implementing Career and Technical Programs — 2 hrs.

Basic principles of instruction, instructional organization, methods of presentation, lesson planning, and applications of audio-visual media. Prerequisite(s): junior standing. (Variable)

TECH 3192/5192 (330:192g). 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 (330:072) or TECH 3132/5132 (330:132); junior standing. (Variable)

TECH 3193/5193 (330:193g). Evaluation in Career and Technical Programs — 2 hrs.

Basic concepts and techniques for evaluating students and programs in career and technical education. Prerequisite(s): TECH 3181/5181 (330:181g) or consent of department; junior standing. (Variable)

TECH 3196 (330:196). 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 (330:055); TECH 2119; junior standing. (Fall)

TECH 4100 (330:100). Undergraduate Research in Construction Management — 3 hrs.

Senior group research project pertaining to a topic in construction. Includes an oral and written presentation of the findings, conclusions, and recommendations. Construction Management Students are required to take Associate Constructor (AC) Level 1 - Construction Fundamentals Examination (fee required.) Prerequisite(s): TECH 4154/5154 (330:154g). Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Spring)

TECH 4103/5103 (330:103g). 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 (330:152); TECH 3156 (330:156); MATH 1150 (800:048) or MATH 1420 (800:060); junior standing. (Fall)

TECH 4104/5104 (330:104g). 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 (330:156) or CS 1410 (810:041); CS 1160 (810:036) or CS 1130 (810:030); 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, Machining capability, Assembly capability, Part design for producibility, Design for manufacturing and assembly, Concurrent Engineering, 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): junior standing. Corequisite(s): TECH 4112. (Fall and Spring)

TECH 4124/5124 (330:124g). 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): junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Variable)

TECH 4136 (330:136). 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 (330:072); MATH 1150 (800:048) or MATH 1420 (800:060); CHEM 1020 (860:020) or CHEM 1110 (860:044); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); junior standing or consent of instructor. (Even Falls)

TECH 4137 (330:137). 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 (330:072); MATH 1150 (800:048) or MATH 1420 (800:060); CHEM 1020 (860:020) or CHEM 1110 (860:044); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); junior standing or consent of instructor. (Even Springs)

TECH 4153/5153 (330:153g). Construction Project Planning, Scheduling and Controlling — 3 hrs.

Further development of estimating expertise in previous courses with emphasis on planning, scheduling, and controlling of construction projects based on the use of CPM and Precedence Programming. Assessment of computer-aided scheduling and control systems. Prerequisite(s): TECH 4154/5154 (330:154g); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Spring)

TECH 4154/5154 (330:154g). Computerized Construction Estimating — 3 hrs.

Utilization of contemporary and emerging building estimating software and advanced estimating techniques. Prerequisite(s): TECH 3149 (330:149); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Fall)

TECH 4155/5155 (330:155g). 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 (330:080); MATH 1150 (800:048) or MATH 1420 (800:060); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); junior standing. (Fall)

TECH 4158/5158 (330:158g). Graphic Communications Technical Visualization — 3 hrs.

Development of technical presentations by utilizing digital graphics and technologies for new approaches to visualization; lecture and skills development for creating 2D simulations and animations, data based graphics and charts, and creation of technical presentations.

Course Descriptions

Prerequisite(s): TECH 2119; TECH 2070 (330:070); junior standing. (Fall and Spring)

TECH 4161/5161 (330:161g). 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 (330:070); junior standing. (Fall and 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. Prerequisite(s): MATH 1150 (800:048) or MATH 1420 (800:060); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); TECH 2060 (330:060). (Even Falls)

TECH 4165/5165 (330:165g). 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 (330:103g) or CS 3470/5470 (810:147g). (Spring)

TECH 4167/5167 (330:167g). 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 2038 (330:038); TECH 3152 (330:152); junior standing. (Fall)

TECH 4173/5173 (330:173g). 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 4154/5154 (330:154g); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Spring)

TECH 4174 (330:174). Senior Design I — 1 hr.

Individual and/or team analytical research or design project. Collaboration with local industry, government agencies, or research institutions is encouraged. Must register for TECH 4176 (330:176) in spring semester. Prerequisite(s): TECH 2041 (330:041); TECH 2042 (330:042); TECH 3152 (330:152); TECH 3156 (330:156); ENGLISH 3772/5772; senior in EET major. (Fall)

TECH 4175/5175 (330:175g). Structural Analysis in Construction — 3 hrs.

Structural analysis of wood, concrete, steel, and composite, finite element analysis of structural members. Emphasis on topics such as the design of form work and scaffolding. Prerequisite(s): TECH 2080 (330:080); junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. (Fall)

TECH 4176 (330:176). Senior Design II — 3 hrs.

Development and completion of project identified in TECH 4174 (330:174). Prerequisite(s): TECH 4174 (330:174). (Spring)

TECH 4178/5178 (330:178g). 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 (330:019) 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 (330:169); junior standing. (Spring)

TECH 4185/5185 (330:185g). Methods Improvement and Construction Innovations — 3 hrs.

Analysis and evaluation of construction improvements, overview of current innovations in construction such as sustainability/LEED/BIM. Prerequisite(s): junior standing. Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. Prerequisite(s) or corequisite(s): TECH 4154/5154 (330:154g). (Fall)

TECH 4187/5187 (330:187g). Applied Industrial Supervision and Management — 3 hrs.

Investigation of industrial supervision and management; includes directed field study in industry. 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 4195/5195 (330:195g). Technology and Engineering Education Laboratory Management — 3 hrs.

Design of safe and effective facilities for technology and engineering education and related fields, facility management, and development of a safety program. Prerequisite(s): TECH 3120 (330:120) or TECH 3190/5190 (330:190g); junior standing. (Fall)

TECH 4198 (330:198). 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. First semester culminates in project proposal. Prerequisite(s): senior standing; 54 semester hours completed in major technical core and concentration or consent of instructor. Prerequisite(s) or corequisite(s): TECH 4110/5110. (Fall and 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 (880:054) or PHYSICS 1400

(880:011) or PHYSICS 1701 (880:130); junior standing. (Same as PHYSICS 4290/5290) (Spring)

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): admission to Graduate Program or consent of instructor. (Fall)

TECH 6225 (330:225). 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): admission to Department of Technology graduate program or consent of instructor. (Odd Falls)

TECH 6231 (330:231). 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): consent of instructor. (Odd Falls)

TECH 6235 (330:235). 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): admission to Department of Technology graduate program and consent of instructor. (Odd Springs)

TECH 6242 (330:242). 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): TECH 3156 (330:156) or admission to Department of Technology graduate program or consent of instructor. (Variable)

TECH 6244 (330:244). 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): TECH 3157/5157 (330:157g) or admission to Department of Technology graduate program or consent of instructor. (Variable)

TECH 6250 (330:250). 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): admission to Department of Technology graduate program or consent of instructor. (Even Falls)

TECH 6258 (330:258). 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): program approval and advisor endorsement, or approval of instructor. (Even Springs)

TECH 6275 (330:275). Advanced Lean Manufacturing — 3 hrs.

Development of skills and techniques in applying lean manufacturing to service and industrial settings. Topics include lean enterprise, product development, supplies network, JIT tools, Theory of Constraint, and value stream mapping. Prerequisite(s): TECH 3180 (330:180) or consent of instructor. (Odd Falls)

TECH 6282 (330:282). 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 (330:288). 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): limited to master's degree candidates; program approval, advisor and department head endorsement. (Fall, Spring, Summer)

TECH 6289. Seminar in Engineering and Technology — 1 hr.

Seminar in Engineering and Technology

TECH 6292 (330:292). 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. DT students should take only after completing 30 hours of course work). (Spring)

TECH 6294 (330:294). Technological Evolution and Innovation — 3 hrs.

Overview of technology - its chronological development and evolution. Interrelationships among disciplines and influence of contemporary technology on industry, culture, education, and society. (Even Springs)

TECH 6295 (330:295). 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): admission to Graduate Program. (Even Springs)

TECH 6296. Research Design in Technology — 3 hrs.

Emphasis on the relationships between theory, planning, research design, instrumentation assessment and administration, data collection and analysis, and the interpretation of findings. Includes critical review of previous research and preparation of proposed manuscripts. Prerequisite(s): graduate status or consent of instructor. (Variable)

TECH 6299 (330:299). Research (Master's Thesis).

Prerequisite(s): consent of department. (Fall and Spring)

Course Descriptions

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): graduate status or consent of instructor. (Spring)

TECH 7300 (330:300). DIT Post Comprehensive Registration. (Fall and Spring)

TECH 7375 (330:375). Historical and Contemporary Issues in Technology — 3 hrs.

Historical, contemporary and future developments and Technological innovations of manufacturing, production, communication, and power systems and their impact on people, society and the environment. Prerequisite(s): admission to Doctor of Technology program or consent of instructor. (Fall)

TECH 7376 (330:376). Contemporary and Future Developments in Industrial Technology — 3 hrs.

A study with emphasis on production, communication, and power systems; and their interrelationship with people, society, and the environment. Prerequisite(s): TECH 7375 (330:375). (Variable)

TECH 7377 (330:377). Technology and Societal Trends: Case Studies — 3 hrs.

Case studies on the impact of technological and innovation evolution on societal trends and changes in its culture, with emphases on discussions of the influence of such contemporary changes in disciplines such as education, industry and research. Prerequisite(s): admission to Doctor of Technology program or consent of instructor. (Spring)

TECH 7378 (330:378). Technology, Ethics and Leadership — 3 hrs.

Survey of the issues, values, principles, and ethics of a technological society. Emphasis on the leadership principles, behaviors, and normative ethics of the technologist to practice the ethical decision-making process within a technological or institutional organization. Prerequisite(s): admission to graduate program or consent of instructor. (Fall)

TECH 7386. Studies in Microgrids in Electrical Power Systems — 3 hrs.

Studies in Microgrids in Electrical Power Systems

TECH 7388 (330:388). 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 (330:399). Research (Doctoral Dissertation).

Prerequisites: successful completion of 40 credit hours in approved program of study, internship, and approval of dissertation proposal. (Fall and Spring)

TESOL/Applied Linguistics Courses (TESOL)

Courses

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. Satisfies LAC 6 Capstone Experience. Prerequisite(s): junior standing. (Same as CAP 3550) (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. Prerequisite(s): junior standing. (Same as CAP 3165 and GER 3334) (Variable)

TESOL 4110/5110 (630:130g). 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 (630:125g). Prerequisite(s): junior standing or consent of TESOL major advisor. (Fall and Spring)

TESOL 4120/5120 (630:125g). Introduction to Linguistics — 3 hrs.

Examination of phonology, syntax, and semantics in a variety of natural and artificial languages; includes study of language development and regional and social variation. No credit if prior credit in TESOL 4110/5110 (630:130g). Prerequisite(s): junior standing or consent of TESOL major advisor. (Fall and Spring)

TESOL 4140/5140 (630:143g). 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 (630:125g) or TESOL 4110/5110 (630:130g); junior standing. (Variable)

TESOL 4198 (630:198). Independent Study.

(Fall and Spring)

TESOL 4310/5310 (630:195g). 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 (630:192g). 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 (630:125g) or TESOL 4110/5110 (630:130g). (Variable)

TESOL 4350/5350 (630:154g). Phonetics, Phonology, and Language Teaching — 3 hrs.

Sound systems of human languages, including articulatory phonetics, distinctive features, segmental and suprasegmental aspects. Application to teaching English and English pronunciation. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): TESOL 4120/5120 (630:125g) or TESOL 4110/5110 (630:130g). (Variable)

TESOL 4510/5510 (630:165g). 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 (630:163g). Cultural Aspects of Language and Language Teaching — 3 hrs.

Investigation of relationship between language and culture and the interactions among language, social institutions, cultural beliefs, and individual behavior. Applications for teaching English to non-native speakers. Prerequisite(s): TESOL 4120/5120 (630:125g) or TESOL 4110/5110 (630:130g); junior standing. (Variable)

TESOL 4540/5540 (630:160g). 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 (630:125g) or TESOL 4110/5110 (630:130g); junior standing. (Variable)

TESOL 4710/5710 (630:190g). Applied English Linguistics for Teachers — 3 hrs.

Linguistic insights applied to study of language use--writing, reading, spelling, and vocabulary; for prospective and current teachers of English. Prerequisite(s): TESOL 4120/5120 (630:125g) or TESOL 4110/5110 (630:130g); junior standing. (Variable)

TESOL 4720/5720 (630:196g). Bilingual Education in the Public Schools — 3 hrs.

Historical development of bilingual education and current approaches to meeting the needs of limited English proficient students; special emphasis on the principles of content-based second language instruction and the role of language attitudes in policy making. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): TESOL 4120/5120 (630:125g) or TESOL 4110/5110 (630:130g). (Variable)

TESOL 4760/5760 (630:194g). Principles and Practices in Language Teaching — 3 hrs.

Pedagogical principles and practical guidelines for developing effective teaching practice including adaptations for varied cultural contexts. Topics include the following: lesson planning; acquisition, design, and adaptation of instructional materials; curriculum development; and classroom management. Prerequisite(s): TESOL 4110/5110 (630:130g) or TESOL 4120/5120 (630:125g); 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 (630:194g). (Fall)

TESOL 6100 (630:201). 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 (630:289). Seminar in Language — 3 hrs.

Topic listed in Schedule of Classes. May be repeated for credit on different topics. (Fall and Spring)

TESOL 6297 (630:297). TESOL Practicum.

Graduate-level student teaching of English as a second language. Prerequisite(s): consent of instructor. (Fall and Spring)

TESOL 6510 (630:292). 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 (630:240). 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 (630:295). Language Testing — 3 hrs.

Examination of basic approaches and techniques for constructing and interpreting language tests. (Variable)

Textiles and Apparel Courses (TEXDSGN)

Courses

TEXDSGN 1002 (31T:013). 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 (31T:012). Creative Textile and Apparel Design Foundations — 3 hrs.

Investigation of elements and principles of design as they apply to textiles and apparel. (Variable)

TEXDSGN 1004. 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 2004 (31T:116). History of Costume — 3 hrs.

Costume in the western world from ancient times to the present. (Variable)

TEXDSGN 2005 (31T:121). Fashion Promotion — 3 hrs.

Promotion and nonpersonal selling activities within the fashion marketing process. Includes strategies, media selection and use, planning and budgetary processes, publicity, display, special events, and fashion shows. (Spring)

TEXDSGN 2006 (31T:011). Computer Textile and Apparel Design Foundations — 3 hrs.

Introduction to computer aided design (CAD) software to investigate the elements and principles of design as applied to textiles and apparel. Software includes: Adobe Illustrator and Adobe Photoshop. Prerequisite(s): TEXDSGN 1003 (31T:012). (Fall)

TEXDSGN 2007 (31T:014). Apparel Design and Evaluation — 3 hrs.

Introduction to and development of apparel design, flat pattern, construction, tailoring, and couture skills to create and evaluate original apparel garments. Prerequisite(s): TEXDSGN 1002 (31T:013). (Fall)

TEXDSGN 3008 (31T:100). Computer Applications for the Textile and Apparel Industry — 3 hrs.

Apparel industry-based software applied to the areas of textile and apparel design and product development. Software includes: Adobe

Course Descriptions

Illustrator, Adobe Photoshop, and Lectra Kaledo Print. Prerequisite(s): TEXDSGN 2006 (31T:011). (Spring)

TEXDSGN 3009 (31T:123). Textile Structures — 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 (31T:013). (Variable)

TEXDSGN 3010 (31T:124). 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 (31T:013). (Fall)

TEXDSGN 3011 (31T:119). Fashion Trend Analysis — 3 hrs.

Analysis of contemporary fashion trends using select theory and forecasting models. Prerequisite(s): TEXDSGN 1004. (Variable)

TEXDSGN 3012 (31T:122). 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 (31T:014). (Spring)

TEXDSGN 3013 (31T:185). 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 (31T:014); junior standing. (Fall)

TEXDSGN 4015/5015 (31T:114g). Dress and Human Behavior — 3 hrs.

Textiles and apparel in relation to culture, society, and the individual. Survey and application of selected theories. Prerequisite(s): junior standing. (Variable)

TEXDSGN 4016 (31T:115g). Apparel Product Development and Merchandising — 3 hrs.

Application of product development concepts and procedures for planning, developing, sourcing, and production of apparel product lines for identified target markets with regard to pricing, assorting, styling, and timing. Prerequisite(s): TEXDSGN 3008 (31T:100); TEXDSGN 3012 (31T:122); junior standing. (Spring)

TEXDSGN 4184/5184 (31T:184g). 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 (31T:192g). 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 (31T:194g). 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 (31T:195). 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 2006 (31T:011); TEXDSGN 1003 (31T:012); TEXDSGN 1002 (31T:013); TEXDSGN 2007 (31T:014); TEX DSGN 1059 (Fashion Culture and Industry) or TEXDSGN 1004; TEXDSGN 3008 (31T:100). (Summer)

TEXDSGN 4198 (31T:198). Independent Study in Textiles and Apparel.

(Variable)

Theatre Courses (THEATRE) Courses

THEATRE 1002 (490:002). 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 Strayer-Wood Theatre productions is a class requirement. (Fall and Spring)

THEATRE 1005. Acting for Life — 3 hrs.

A life enhancing course, which uses the skills and tools of acting to enrich the personal and professional life of the student. Students will explore relaxation and concentration techniques and develop methods to increase self-awareness and empathy. As a result of these explorations, students should be able to increase communication skills, and express creative impulses and emotions while getting in touch with a sense of play. The student will leave the course with the knowledge of acting techniques they may employ to help them reach their potential as human beings. The course combines theory and practical hands-on experience. (Variable)

THEATRE 1010 (490:010). 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 (490:011). (Fall and Spring)

THEATRE 1011 (490:011). 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 (490:010). (Fall and Spring)

THEATRE 1012 (490:015). 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 Theatre UNI mainstage season plays. Discussion, 3 periods; lab, 3 periods. Lab fee. (Fall and Spring)

THEATRE 1015 (490:016). Stagecraft: Costumes — 3 hrs.

Introduction to costume planning, research and construction for theatrical productions. Involves work in the Strayer-Wood Theatre Costume Studio on Theatre UNI mainstage season plays. Discussion 3 periods, lab 3 periods. Lab fee. (Fall and Spring)

THEATRE 1020 (490:020). Introduction to Reading Playscripts — 3 hrs.

Entry level class that introduces students to play reading using both major dramatic texts and contemporary experimental texts. Includes three to four viewing experiences of live or electronically preserved productions. (Fall and Spring)

THEATRE 1025. 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. (Variable)

THEATRE 1030 (490:024). 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): THEATRE 1010 (490:010); THEATRE 1011 (490:011); OR consent of instructor. (Fall and Spring)

THEATRE 2010. Drama and Inclusion — 3 hrs.

Drama and theatre are emerging interventions in supporting the education of youth with developmental disabilities, including autism. By adding Drama and Inclusion to Drama and Theatre for Youth Emphasis (DTY), we will be providing a comprehensive education in best practices for teaching all youth, including those with multiple levels of cognitive ability. They will be better prepared to contribute to the growing practice of including drama and theatre in a variety of learning environments for and with special needs learners. Prerequisite(s): THEATRE 3000 (490:101). (Variable)

THEATRE 2030 (490:027). 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 (490:010); THEATRE 1011 (490:011); THEATRE 1020 (490:020); THEATRE 1030 (490:024); or consent of instructor. (Fall)

THEATRE 2040 (490:040). 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 (490:015) OR THEATRE 1015 (490:016). (Fall)

THEATRE 2050 (490:050). 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 (490:010); THEATRE 1011 (490:011). (Fall and Spring)

THEATRE 2055 (490:056). Devised Theatre — 3 hrs.

Collaboration in the creation and presentation of devised work. Discussion 3 periods; lab 3 periods. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016), THEATRE 1020 (490:020); THEATRE 1025 or THEATRE 1030 (490:024); 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 (490:010); THEATRE 1011

(490:011); THEATRE 1020 (490:020); 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 (490:010); THEATRE 1011 (490:011); Departmental consent required. (Fall and Spring)

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 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1025 OR THEATRE 1030 (490:024). (Spring)

THEATRE 3000 (490:101). 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 3002 (490:121). 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. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1020 (490:020); THEATRE 1025. (Variable)

THEATRE 3003 (490:122). 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 (490:010); THEATRE 1011 (490:011); THEATRE 1020 (490:020); THEATRE 1025. (Variable)

THEATRE 3020 (490:138). Playscript Analysis and Interpretation — 3 hrs.

Readings and analysis of plays (Greek to the present) in preparation for production. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1020 (490:020); or consent of instructor. (Fall and Spring)

THEATRE 3050/5050 (490:151g). 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 (490:135). 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 (490:010); THEATRE 1011 (490:011); THEATRE 1020 (490:020); or consent of instructor. (Fall)

THEATRE 3070 (490:136). 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):

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THEATRE 1010 (490:010); THEATRE 1011 (490:011);
THEATRE 1020 (490:020); or consent of instructor. (Spring)

THEATRE 3080/5080 (490:137g). 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 (490:010); THEATRE 1011 (490:011); THEATRE 1020 (490:020); or consent of instructor; junior standing. (Variable)

THEATRE 3100 (490:106). 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 (CAP:106)) (Variable)

THEATRE 3110/5110 (490:104g). 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): junior standing. (Spring)

THEATRE 3115 (490:109). 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 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015); THEATRE 1030 (490:024); THEATRE 2050 (490:050); THEATRE 3000 (490:101). Prerequisite for other students: consent of instructor. (Fall and Spring)

THEATRE 3120/5120 (490:126g). Acting Styles — 3 hrs.

Application of techniques learned in THEATRE 1030 (490:024), including theoretical studies of various styles of acting as well as extensive scene work. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1020 (490:020); THEATRE 1025; THEATRE 1030 (490:024); THEATRE 3003 (490:122); THEATRE 3125/5125 (490:127g); or consent of instructor; junior standing. (Fall)

THEATRE 3125/5125 (490:127g). Acting Studio — 3 hrs.

Reinforces craft skills and focuses on individual problems through prescriptive scene work and exercises. Performance area emphasis students must take this course twice. May be repeated up to three times for credit. Discussion, 3 periods; lab 3 periods. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1030 (490:024); or consent of instructor; junior standing. (Variable)

THEATRE 3135/5135 (490:129g). 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 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1025 OR THEATRE 1030 (490:024). For non-Theatre majors: junior standing. (Spring)

THEATRE 3138. Production Techniques: Drafting and Pattern Development — 3 hrs.

Project work in drafting and 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 (490:010);

THEATRE 1011 (490:011); THEATRE 1015 (490:016); or consent of instructor. Prerequisite for other students: consent of instructor. (Variable)

THEATRE 3139 (490:140). Production Techniques: Scene Painting and Makeup — 3 hrs.

Project work in scene painting and makeup for the theatre. May be repeated in different areas for a maximum of 6 credits. Lab fee. Prerequisite(s): for Theatre majors: THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015); THEATRE 2040 (490:040); or consent of instructor. Prerequisite for other students: consent of instructor. (Variable)

THEATRE 3155/5155 (490:144g). Topics in Theatre Design and Production — 3 hrs.

Advanced topics in Design and Production involving research and experiential investigation of production techniques. Rotating topics will include: Period Styles for Theatre, Advanced Problems in Theatre: Make-up Production, Costume Production, Scenery Production, Lighting Production, and Sound Production. Additional topic possibilities are Projections, Metalworking, Puppetry, Millinery, and Model-Making. May be repeated for maximum of 6 hours. Prerequisite(s): for Theatre majors: THEATRE 1010 (490:010); THEATRE 1011 (490:011); junior standing; or consent of instructor. Prerequisites for other students: junior standing; consent of instructor. (Variable)

THEATRE 3160 (490:161). Directing — 3 hrs.

Analysis of plays and fundamentals of directing. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): for Theatre majors: THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016), THEATRE 1020 (490:020); THEATRE 1030 (490:024); THEATRE 3020 (490:138); junior standing. For Communication-Theatre Majors-Teaching: THEATRE 1012 (490:015); THEATRE 1030 (490:024); THEATRE 3020 (490:138); junior standing. (Fall and Spring)

THEATRE 3170 (490:170). Senior Project — 3 hrs.

Departmentally-approved self-directed culminating project that clearly reflects one or more of the learning outcomes for the student's chosen emphasis: Performance, Design/Production or Theatre for Youth. Requires documentation of development, presentation/performance, and critique. Prerequisite(s): declared emphasis; 2.50 cumulative GPA; project approval by department. (Variable)

THEATRE 3180/5180 (490:155g). Theatre Management — 3 hrs.

Intensive study of business practices in the academic, community, and commercial theatre. Field trips and guest lectures. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); junior standing; or consent of the instructor. (Variable)

THEATRE 3190/5190 (490:157g). Stage Management — 3 hrs.

Introduction to techniques, procedures, and forms used in stage managing theatre and allied performing arts. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016); sophomore standing; or consent of instructor. (Spring)

THEATRE 3195/5195 (490:168g). 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 (490:010);

THEATRE 1011 (490:011); THEATRE 1020 (490:020); junior standing; or consent of instructor. Prerequisites for other students: consent of instructor; junior standing. (Spring)

THEATRE 3199/5199 (490:199). Study Tour — 1-6 hrs.
Theatre study abroad in established programs. (Variable)

THEATRE 3200/5200 (490:158g). 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 (490:016) or THEATRE 1012 (490:015); THEATRE 2040 (490:040). (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 3220; THEATRE 3138; THEATRE 1015 (490:016) or THEATRE 1012 (490:015); THEATRE 2040 (490:040) (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 3230; THEATRE 3220; THEATRE 3138; THEATRE 1015 (490:016) or THEATRE 1012 (490:015); THEATRE 2040 (490:040) (Spring)

THEATRE 6285 (490:285). Readings in Theatre — 3 hrs.
(Variable)

THEATRE 6289 (490:289). 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 (490:299). Research.
Prerequisite(s): consent of department. (Variable)

United States History Courses (HISUS)

Courses

HISUS 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. (Variable)

HISUS 1110 (961:014). United States History to 1877 — 3 hrs.
Events, factors, and personalities which shaped social, economic, and political development of the United States from settlement to end of Reconstruction. (Fall and Spring)

HISUS 1120 (961:015). United States History since 1877 — 3 hrs.
End of Reconstruction period to present, including economic, diplomatic, intellectual, political, and social factors. (Fall and Spring)

HISUS 4110/5110 (961:136g). American Colonial History — 3 hrs.
17th- and 18th-century America; development of colonial societies in the New World and American Revolution era. Prerequisite(s): junior standing. (Fall)

HISUS 4130/5130 (961:137g). 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. Prerequisite(s): junior standing. (Variable)

HISUS 4140/5140 (961:139g). Civil War and Reconstruction — 3 hrs.
Causes of the Civil War, nature of the conflict, and short- and long-range consequences of the war. Prerequisite(s): junior standing. (Fall)

HISUS 4150/5150 (961:147g). 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. Prerequisite(s): junior standing. (Even Falls)

HISUS 4160/5160 (961:131g). 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. Prerequisite(s): junior standing. (Fall)

HISUS 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. Prerequisite(s): junior standing. (Variable)

HISUS 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. Prerequisite(s): junior standing. (Spring)

HISUS 4180/5180 (961:116g). Recent United States History — 3 hrs.
History of the American people since 1960 with emphasis on domestic affairs. Prerequisite(s): junior standing. (Spring)

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HISUS 4190/5190. The American Revolution and Its War — 3 hrs.

The political, military, and social history from 1765 to 1787 of the North American British colonies that became the United States. Prerequisite(s): junior standing. (Even Falls)

HISUS 4200/5200 (961:130g). History of Iowa — 3 hrs.

Social, political, and economic developments in Iowa from prehistoric times to present. Prerequisite(s): junior standing. (Spring)

HISUS 4210/5210 (961:141g). The South in United States History — 3 hrs.

Traces the southern experience from colonization and settlement through the Civil War, Reconstruction, and late 19th- and 20th-century racial and political adjustments. Emphasis on post-Reconstruction period and role of blacks in shaping southern society. Prerequisite(s): junior standing. (Odd Springs)

HISUS 4220/5220 (961:140g). History of the American West — 3 hrs.

Explores the history of the American West from its conception as a region in the early 19th century to its current configuration. Emphasis is placed on the American West as both a distinctive physical place and a process of settlement. Prerequisite(s): junior standing. (Fall)

HISUS 4230/5230 (961:102g). History of Technology in America — 3 hrs.

Examination of the nature, impact, and consequences of American technology - both at work and at home, in the city and in the country. Prerequisite(s): junior standing. (Even Springs)

HISUS 4235/5235 (961:120g). 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. Prerequisite(s): junior standing. (Spring)

HISUS 4240/5240 (961:144g). History of American Thought — 3 hrs.

Historical examination of principal idea-systems which shaped the intellectual profile of American civilization. Prerequisite(s): junior standing. (Odd Springs)

HISUS 4245/5245 (961:122g). African-American History — 3 hrs.

History of black Americans from African background into 1980s, with emphasis on period since end of slavery. Prerequisite(s): junior standing. (Fall)

HISUS 4250/5250 (961:145g). 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 RELS 4230/5230 (640:117g)) (Fall)

HISUS 4255/5255 (961:124g). The City in United States History — 3 hrs.

Introduction to urban history; functions, shapes, and dynamics of the city in the American experience from 17th century to present with emphasis on metropolis of the past half century. Prerequisite(s): junior standing. (Odd Springs)

HISUS 4260/5260 (961:146g). United States Women's History — 3 hrs.

Survey of social, cultural, and economic roles of women in the United States from founding to present, with some comparative analysis of women's roles in other areas of the world. Prerequisite(s): junior standing. (Fall)

HISUS 4265/5265 (961:150g). Society and Culture in the United States — 3 hrs.

Description and analysis of the development of and changes in community, family, social stratification, nature of reform, morality, uses of leisure time, and attitudes toward science and religion in 19th and 20th centuries. Prerequisite(s): junior standing. (Odd Falls)

HISUS 4270/5270 (961:135g). 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. Prerequisite(s): junior standing. (Spring)

HISUS 4275/5275 (961:142g). United States Constitutional History — 3 hrs.

Relates individual rights, political-socioeconomic issues, and rivalry among the Presidency-Congress-Supreme Court to development of U.S. Constitution. Prerequisite(s): junior standing. (Fall)

HISUS 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 LYHS 4556/5556] (Fall)

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 Liberal Arts Core 1A and 1B; credit earned for UNIV 1000 alone satisfies neither LAC 1A nor 1B. Prerequisite(s): first-year student; neither LAC 1A nor LAC 1B 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 Liberal Arts Core 1A and 1B. Prerequisite(s): first-year student; UNIV 1000. (Spring)

UNIV 1092 (010:092). 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 (XXX:19P). 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 (010:196). 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 31CI/UNIV 31CI. Co-op/Internship.

(Variable)

UNIV 4197 (010:197). 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): COMM 2555 (48C:025); COMM 4544/5544 (48C:120g); COMM COR 1010 (48J:002); 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 (680:040). 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 3195/5195 (900:195g). 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 (680:289). Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories — 3 hrs.

Analysis of identities and oppressions from national and international feminist perspectives. (Fall)

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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