

2014-2016 Catalog

2014-2016 Catalog

- effective Summer 2014
- published August 2014

This University of Northern Iowa catalog is a two-year publication. It contains general information regarding fees, related policies and procedures, and curriculum requirements.

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.

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Academic Calendar 2014-2016

Summer Session, 2014

May 12	Mon., instruction begins, 7:30 a.m.
May 26	Mon., legal holiday (Memorial Day)
July 4	Fri., legal holiday observed
August 1	Fri., summer session ends, 10:00 p.m.

(May session - 4 weeks)

May 12	Mon., instruction begins, 7:30 a.m.
June 6	Fri., May session ends, 10:00 p.m.

(May/mid-June session - 6 weeks)

May 12	Mon., instruction begins, 7:30 a.m.
June 20	Fri., May/mid-June session ends, 10:00 p.m.

(June session - 4 weeks)

June 9	Mon., instruction begins, 7:30 a.m.
July 3	Thurs., June session ends, 10:00 p.m.

(June/July session - 8 weeks)

June 9	Mon., instruction begins, 7:30 a.m.
August 1	Fri., June/July session ends, 10:00 p.m.

(mid-June/July session - 6 weeks)

June 23	Mon., instruction begins, 7:30 a.m.
August 1	Fri., mid-June/July session ends, 10:00 p.m.

(July session - 4 weeks)

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

Fall Semester, 2014

August 22	Fri., registration, 9:00 a.m.-4:00 p.m.
August 25	Mon., instruction begins, 8:00 a.m.
September 1	Mon., legal holiday (Labor Day)
October 17	Fri., first half semester ends, 10:00 p.m.
October 20	Mon., second half semester begins, 8:00 a.m.
November 24-28	Mon.-Fri., Thanksgiving break
December 1	Mon., instruction resumes, 8:00 a.m.
December 15-19	Mon.-Fri., final examinations
December 19	Fri., semester ends, 10:00 p.m.
December 20	Sat., commencement

Spring Semester, 2015

January 9	Fri., registration, 9:00 a.m.-4:00 p.m.
January 12	Mon., instruction begins, 8:00 a.m.
January 19	Mon., university holiday (Martin Luther King's birthday observed)

March 6	Fri., first half semester ends, 10:00 p.m.
March 9	Mon., second half semester begins, 8:00 a.m.
March 16-20	Mon.-Fri., spring break
March 23	Mon., instruction resumes, 8:00 a.m.
May 4-8	Mon.-Fri., final examinations
May 8	Fri., semester ends, 10:00 p.m.
May 9	Sat., commencement

Summer Session, 2015

May 11	Mon., instruction begins, 7:30 a.m.
May 25	Mon., legal holiday (Memorial Day)
July 3	Fri., legal holiday observed
July 31	Fri., summer session ends, 10:00 p.m.

(May/June/July session - 12 weeks)

May 11	Mon., instruction begins, 7:30 a.m.
July 31	Fri., May/June/July session ends, 10:00 p.m.

(May session - 4 weeks)

May 11	Mon., instruction begins, 7:30 a.m.
June 5	Fri., May session ends, 10:00 p.m.

(May/mid-June session - 6 weeks)

May 11	Mon., instruction begins, 7:30 a.m.
June 19	Fri., May/mid-June session ends, 10:00 p.m.

(June session - 4 weeks)

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

(June/July session - 8 weeks)

June 8	Mon., instruction begins, 7:30 a.m.
July 31	Fri., June/July session ends, 10:00 p.m.

(mid-June/July session - 6 weeks)

June 22	Mon., instruction begins, 7:30 a.m.
July 31	Fri., mid-June/July session ends, 10:00 p.m.

(July session - 4 weeks)

July 6	Mon., instruction begins, 7:30 a.m.
July 31	Fri., July session ends, 10:00 p.m.

Fall Semester, 2015

August 21	Fri., registration, 9 a.m.-4 p.m.
August 24	Mon., instruction begins, 8:00 a.m.
September 7	Mon., legal holiday (Labor Day)
October 16	Fri., first half semester ends, 10:00 p.m.
October 19	Mon., second half semester begins, 8:00 p.m.

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November Mon.-Fri., Thanksgiving break
23-27

November 30 Mon., instruction resumes, 8:00 a.m.

December Mon.-Fri., final examinations
14-18

December 18 Fri., semester ends, 10:00 p.m.

December 19 Sat., commencement

Spring Semester, 2016

January 8 Fri., registration, 9:00 a.m.-4 p.m.

January 11 Mon., instruction begins, 8:00 a.m.

January 18 Mon., university holiday (Martin Luther King's birthday observed)

March 4 Fri., first half semester ends, 10:00 p.m.

March 7 Mon., second half semester begins, 8:00 a.m.

March 14-18 Mon.-Fri., spring break

March 21 Mon., instruction resumes, 8:00 a.m.

May 2-6 Mon.-Fri., final examinations

May 6 Fri., semester ends, 10:00 p.m.

May 7 Sat., commencement

Summer Session, 2016

May 9 Mon., instruction begins, 7:30 a.m.

May 30 Mon., legal holiday (Memorial Day)

July 4 Mon., legal holiday observed

July 29 Fri., summer session ends, 10:00 p.m.

(May/June/July session - 12 weeks)

May 9 Mon., Instruction begins, 7:30 a.m.

July 29 Fri., May/June/July session ends, 10:00 p.m.

(May session - 4 weeks)

May 9 Mon., instruction begins, 7:30 a.m.

June 3 Fri., May session ends, 10:00 p.m.

(May/mid-June session - 6 weeks)

May 9 Mon., instruction begins, 7:30 a.m.

June 17 Fri., May/mid-June session ends, 10:00 p.m.

(June session - 4 weeks)

June 6 Mon., instruction begins, 7:30 a.m.

July 1 Fri., June session ends, 10:00 p.m.

(June/July session - 8 weeks)

June 6 Mon., instruction begins, 7:30 a.m.

July 29 Fri., June/July session ends, 10:00 p.m.

(mid-June/July session - 6 weeks)

June 20 Mon., instruction begins, 7:30 a.m.

July 29 Fri., mid-June/July session ends, 10:00 p.m.

(July session - 4 weeks)

July 5 Tues., instruction begins, 7:30 a.m.

July 29 Fri., July session ends, 10:00 p.m.

Fall Semester, 2016

August 19 Fri., registration, 9 a.m.-4 p.m.

August 22 Mon., instruction begins, 8:00 a.m.

September 5 Mon., legal holiday (Labor Day)

October 14 Fri., first half semester ends, 10:00 p.m.

October 17 Mon., second half semester begins, 8:00 a.m.

November Mon.-Fri., Thanksgiving break
21-25

November 28 Mon., instruction resumes, 8:00 a.m.

December Mon.-Fri., final examinations
12-16

December 16 Fri., semester ends, 10:00 p.m.

December 17 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 www.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.

Also available is the Bachelor of Liberal Studies, an external degree offered in cooperation with the University of Iowa and Iowa State University.

On the graduate level, twelve degrees are offered:

- the Master of Accounting,
- the Master of Arts,
- the Master of Arts in Education,
- 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 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 35,000, with the Cedar Falls-Waterloo greater metropolitan area having a population of more than 110,000. 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:

The University of Northern Iowa is a comprehensive institution dedicated to providing a personalized learning environment, founded on a strong liberal arts curriculum. It is committed to being an intellectually and culturally diverse community. The University focuses both on undergraduate education, and on selected master's, doctoral and other graduate programs. It is characterized by excellence in three areas: teaching and learning; research, scholarship, and creative work; and service. Through its varied endeavors, UNI shares its expertise with, and provides service to, individuals, communities and organizations throughout the state, the nation and the world.

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. The university is accredited through the doctoral degree (Doctorate of Education and Doctorate of Technology) by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools (NCA);

The Higher Learning Commission
30 North LaSalle Street, Suite 2400
Chicago, IL, 60602-2504
telephone 312-263-0456

The programs of the university are accredited by the following professional accrediting agencies: the Association to Advance Collegiate Schools of Business (AACSB - International), the Council for Accreditation of Counseling and Related Educational Programs, the National Association of Schools of Music, the Council on

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Social Work Education, the American Speech-Language-Hearing Association, the Association of Technology Management and Applied Engineering Board of Accreditation, Accreditation Board for Engineering and Technology, Inc., Foundry Education Foundation, Accrediting Council for Collegiate Graphic Communication, National Association of Schools of Theatre, the National Recreation and Park Association Council on Accreditation, and the National Association of School Psychologists. Programs are also approved by the Iowa State Department of Education, the National University Extension Association, and the American Chemical Society. In addition, the University Museum is accredited by the American Association of Museums.

The B.A. in Athletic Training major is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

The B.A. in Family Services major is an approved program for educating Certified Family Life Educators by the National Council on Family Relations.

The Master of Social Work (M.S.W.) program is accredited by the Council on Social Work Education.

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 to the following M.A. Counseling program areas in the School of Applied Human Sciences at the University of Northern Iowa: Clinical Mental Health Counseling and School Counseling.

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 Academic Assessment (www.uni.edu/assessment) and the Office of Institutional Research (www.ir.uni.edu).

Academic Structure

College of Business Administration

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 business.uni.edu)

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 and who are fully committed to great teaching. Our scholarship support for study abroad opportunities allows students to further develop their global perspectives while continuing to progress toward their degree. Our Professional Readiness Program prepares students to hit the ground running in the workplace after graduation. It teaches them to navigate organizational dynamics, write clearly and concisely, speak with confidence, and develop a career vision and strategy – skills that might not be developed through a traditional business education. And many UNIBusiness courses and programs reinforce the strong work values students bring from home.

The College of Business Administration houses five departments:

- Accounting
- Economics
- Finance
- Management
- Marketing

The Bachelor of Arts (B.A.) degree is offered by all five departments. Teaching licensure covers accounting, business communication, business law, economics, entrepreneurship, finance, general business, information technology, management and marketing. All teaching programs are offered through the Management Department. 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. All programs are accredited by the Association to Advance Collegiate Schools of Business (AACSB - International).

While providing a first-class professional education is our major concern, we maintain a strong commitment to student preparation in the arts and sciences. Students are counseled to seek a broad educational experience, particularly at the undergraduate level, and to utilize the full resources of the university in their preparation for happy and productive lives.

The College of Business Administration is the academic unit responsible for providing degree programs in business and management. 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).

To graduate with a major in Accounting, Business Teaching, Finance, Economics: Business Economics, Management, Management Information Systems, or Marketing from the College of Business Administration, a student must earn at least 50 percent of the business credit hours required for the major from UNI. Students must also complete at least 50 percent of the course work required for the degree outside the College of Business Administration.

College of Education

www.uni.edu/coe

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, 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 www.uni.edu/coe/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; Doctor of Education Educational Leadership intensive study area; and program certificates in Principalship and Superintendency 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 at www.uni.edu/coe/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 www.uni.edu/coe/epf.

School of Health, Physical Education, and Leisure Services

Graduate and undergraduate majors in athletic training; health promotion; leisure, youth and human services; physical education teaching; and movement and exercise science. The school also offers minors and/or program certificates in coaching, environmental health, global health, health education teaching, health promotion, leisure, youth and human services, outdoor recreation, physical education teaching, school age care leadership, and tourism. The

school operates multiple laboratory, performance studios, and outreach programs including: athletic training laboratory, biomechanics laboratory, *Camp Adventure™ Youth Services*, computer instructional laboratory, Kindergym, exercise physiology laboratory, Global Health Corps, National Program for Playground Safety, Iowa Center on Health Disparities, Nutriactive Experience: Healthy Lifestyles for Young Children, Project PLAY (Preschool Lessons for Active Youngsters), Program for Recreation Research and Service, Project HAL (Healthy Active Lifestyles), psychomotor behavior laboratory, rhythm and movement studio, Recycling and Reuse Technology Transfer Center, student computer center, Sustainable Tourism and Environment Program, wellness resources laboratory, World Leisure Secretariat, and the Youth Fitness and Obesity Institute. The school 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 school may be found at the website www.uni.edu/coe/departments/school-health-physical-education-leisure-services.

Special Education

Graduate endorsements and undergraduate minors in Instructional Strategist I, Instructional Strategist II, Early Childhood Special Education, and Visual Impairments. Graduate programs emphasize Field Specialization, Special Education Consultant, and Career/Vocational Programming and Transition. All programs emphasize field-based experiences and applied research. For further information, visit the website at www.uni.edu/coe/specialed.

Teaching

The Department of Teaching includes the Office of Student Field Experiences. The Office of Student Field Experiences 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 can be requested through the out-of-state/international center.

The Department of Teaching - Office of Student Field Experiences is staffed with a coordinator of student teaching and a coordinator of student field experiences who are members of the UNI faculty and responsible for administering the student teaching and field experiences programs.

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

General Information

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

www.uni.edu/chas

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 Science
- Languages and Literatures
- Mathematics
- School of Music
- Philosophy and World Religions
- Physics
- Technology
- Theatre

Three interdisciplinary programs are also part of the college: 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 Technology (D.T.). The doctorate in technology (D.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 art 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

www.uni.edu/csbs

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 (www.uni.edu/csbs), or consult the corresponding departmental office.

Division of Continuing Education and Special Programs

www.uni.edu/continuinged

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 600 individual course sections annually.

Continuing Education 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 # 18/20
Cedar Falls, IA 50614-0223
call 319-273-2122 or 1-800-772-1746
e-mail continuinged@uni.edu
visit www.uni.edu/continuinged

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 80 courses are available via this method of delivery. Most are online, some are print-based, and some are available via both mediums. 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 #16)
8106 Jennings Drive
319-273-2123 or 1-800-772-1746, or
view the information at distance.uni.edu/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 throughout Iowa using on-site delivery, Video Conferencing, eLearning and other distance education technologies, and semester-based online courses. A majority of the courses and programs are for graduate students 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. Those interested in distance education courses and programs should contact the Continuing and Distance Education Office at the address listed above.

Individual Studies Program

www.uni.edu/continuinged/is

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

- National Student Exchange Program
- Exploratory Seminar: Self-Forming
- Interdisciplinary Readings
- Undergraduate Thesis
- Individual Study Project
- Individual Studies major
- General Studies major
- General Studies for Registered Nurses

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 170+ colleges and universities such as California State University (San Bernadino), University of New Mexico, University of Idaho, University of Georgia, University of South Carolina, and University of New Orleans.

General Information

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 #16)
Cedar Falls, IA 50614-0285
319-273-2504
www.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 with in 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 student in her/his 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

www.uni.edu/internationalprograms

The Office of International Programs (OIP) oversees 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

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

International Students and Scholars Office

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

Study Abroad Center

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 www.uni.edu/rotc.

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:

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.

Each summer, Iowa Lakeside Laboratory offers students a unique educational experience: small, full-immersion, field-oriented courses in the natural sciences (archaeology, art, biology, ecology, environmental science, hydrology, evolution, geology, soils, taxonomy). All courses meet all day from Monday through Friday. The majority of courses run for either 3 or 4 weeks. Enrollments in most courses are limited to 8-10 students. Courses are taught at the undergraduate (sophomore and junior) and the senior/graduate level. Students obtain one credit for each week (40 hours) in class. One- and two-week courses are also available, including courses designed especially for teachers. Weather permitting, students normally spend at least part of each day doing field work, either as part of their class work or working on individual or group projects. Because there are courses offered only alternate summers, the Iowa Lakeside Laboratory Web site or the University of Northern Iowa Summer Session Schedule of Classes should be consulted for the list of courses being offered in a given summer session. The Iowa Lakeside Laboratory website also contains additional information about the laboratory and about each course being offered.

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.

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 www.ia.spacegrant.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

General Information

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 on-line, generally in March for the summer and fall semester and in November for the spring semester. Specific instructions for registration by mail are contained in the schedule of classes.

Specific information for each semester's registration is available at the Office of the Registrar or on the Web site www.uni.edu/registrar.

Washington Center Internships and Seminars

The University of Northern Iowa is affiliated with The Washington Center, a nonprofit educational agency, which offers internships and seminar programs for graduate and undergraduate students in all majors. Any student may participate in two- or three-week seminars addressing topics such as leadership, the law and society, and domestic or foreign policy. Juniors, seniors, and recent graduates may go to Washington for a one-semester internship. Academic credit from UNI may be earned for the internships and seminars. Information on these programs is available from the Director of Leadership Studies in Room 355, Lang.

Admission Requirements

www.uni.edu/admissions/freshmen/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 secondary school provide an official transcript of their academic record, including credits and grades, rank in class, and certification of graduation. Applicants must also submit scores from the American College Test (ACT) or the Scholastic Aptitude Test (SAT), or the equivalent. 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 www.uni.edu/intladm.

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

- A. (2 x ACT composite score) +
- B. (1 x percentile high school rank) +
- C. (20 x high school GPA) +
- D. (5 x number of high school core courses)=

E. 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:

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

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

The University of Northern Iowa recognizes that the traditional measures of academic performance do not adequately describe some students' potential for success. Therefore, all interested students are encouraged to apply for admission. Applicants who

believe their academic record is not an accurate reflection of their potential for success may provide a written explanation of their circumstances.

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

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

4. **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.

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

High School Preparation for Undergraduate Admission

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

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

Students who graduated from high school before 1988 and transfer students who graduated from high school in 1988, and after, who have

Admission Requirements

completed 24 or more semester hours of transferable college credit are exempt from the high school course requirements for admission.

Admission of Undergraduate Students by Transfer from Other Colleges

www.uni.edu/admissions/transfer/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 meet one of the following (A or B):

A. Complete one semester of college level English composition from a regionally accredited U.S. college or university with a minimum grade of B.

B. 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 GPATransfer 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:
 - i Be admitted unconditionally;
 - ii Be admitted conditionally; or
 - iii Be denied admission.
- 2. 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.
- 3. 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.

- 4. 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 foreign 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 is frequently assigned to general areas of study. Extensive use is made of professional journals and references which describe the educational systems and programs of individual countries.

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

www.uni.edu/registrar/students/current-students/residency-determination

General

A. A person enrolling at one of the three state universities shall be classified as a resident or nonresident for admission, tuition, and fee purposes by the Registrar or someone designated by

the Registrar. The decision shall be based upon information furnished by the student and other relevant information.

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

C. The Registrar, or designated person, is authorized to require such written documents, affidavits, verifications, or other evidence deemed necessary to determine why a student is in Iowa. The burden of establishing that a student is in Iowa for other than educational purposes is upon the student.

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

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

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

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

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

Guidelines

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

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

Admission Requirements

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

The 2014, 2015, and 2016 summer sessions will include a eight-week session, two six-week sessions, three four-week sessions, and a number of special sessions and workshops of varying lengths. The 2015 and 2016 summer sessions will also include a twelve-week session. For information, write to:

Office of the Registrar
Cedar Falls, IA 50614-0006 or
visit the website at www.uni.edu/registrar.

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 www.uni.edu/registrar. 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 requests are available on-line through MyUNiverse at <http://access.uni.edu/forms/index.shtml> (under Student Request - Undergraduate).

Graduate students submit graduate student requests online through MyUNiverse. For graduate students the link to the student request system is located in the Academics tab, on the MyUNiverse Student Center page, under the category Forms and Requests. Graduate students click on the Student Request (Graduate) 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 www.uni.edu/tuition.

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 www.uni.edu/tuition.

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

Fee Payment and Billing

All tuition, mandatory fees, lab fees, contracted campus room and meal plan expenses, and other university related charges 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 1st of every month and due on the 20th. (If the due date falls on a weekend, the due date is the first business day following.) 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 www.uni.edu via MyUniverse on the Student Center tab. 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 two Deferred Payment Plan Options for tuition, mandatory fees, and contracted room and meal plan charges. These plans allows students to make payments in installments each semester. Plan options:

Option 1 - UNI Self-Service Plan

The UNI Self-Service plan allows students to enroll in a five-month payment plan. 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 www.uni.edu and log in to MyUniverse-Student Center tab to complete the online payment plan agreement. There is a \$20 deferred billing fee, per semester, that will be assessed to the student's first bill after enrolling in a plan.

Option 2 - Educational Computer Systems, Inc. (ECSI)

Long-term payment plans are also available through Educational Computer Systems, Inc. (ECSI). This option provides students and families the ability to pay tuition on a monthly schedule for 10, 11, or 12 months. To take advantage of this option, visit www.ecsi.net or call 1-866-927-1438 to enroll. There is a \$65 annual enrollment

fee. For the ECSI payment plan schedule, visit www.uni.edu/obo/student_accounts.

Students participating in the ECSI plan make monthly payments, directly to ECSI, beginning as early as May. All payments will be due on the first of every month. Payments not received by the first of the month may be subject to account termination. If a student's account is closed, they are required to pay all university charges directly to UNI.

(Also refer to information on withdrawal refunds and fee reduction.)

Office of Student Financial Aid

The University of Northern Iowa Office of Student Financial Aid 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 Student Financial Aid

105 Gilchrist
Cedar Falls, IA 50614-0024
Telephone: 319-273-2700
Fax: 319-273-6950
Website: www.uni.edu/finaid

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 Student Financial Aid 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 www.uni.edu/finaid 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), Perkins Loan, Work Study, or 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:

Fees and 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 both the UNI Office of Student Financial Aid and Office of the Registrar.
4. You must report the receipt of any grants, scholarships or loans from all sources. In addition, if you are also enrolled at another institution, you may not receive federal aid at both institutions.
5. You must not have been convicted under federal or state law of the sale or possession of drugs, if the offense occurred during a period of enrollment for which you were receiving federal student aid (grants, loans, and/or work-study).
6. You must not be in default on a federal student loan nor owe money on a federal student grant.

Grants Overview

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

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 Student Financial Aid 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 www.uni.edu/finaid.

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 Student Financial Aid. 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 September. Be sure to check back every

September 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 September and April 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 Student Financial Aid 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 Student Financial Aid 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

There are more than 4,200 jobs on campus, and approximately 75% of these positions are funded through departmental employment. This type of employment allows departments to hire UNI students and pay their wages with departmental funds. Any UNI student enrolled at least half-time can be employed as a departmental student employee. This type of employment has no bearing on the financial aid award.

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 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 Stafford Loan (Subsidized and Unsubsidized)

The Direct Subsidized Stafford Loan is based on financial need eligibility as determined on the FAFSA. The Direct Unsubsidized Stafford 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. 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, with independent undergraduate students 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 Stafford PLUS Loans for Parents

A parent of a dependent student may be eligible for an amount up to the cost of education less any other Direct Stafford 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 Stafford PLUS Loans for Graduate Students

If loan eligibility still exists for a graduate student following the awarding of their financial aid, including Direct Stafford Loans, they may be eligible for the Direct Stafford 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.

Fees and Financial Aid

Perkins Loan

Perkins Loans awards are based on need and range from \$200 to \$2,000. Interest does not begin to accrue until nine months after the borrower is no longer at least a half-time student. Repayment is made to the university in monthly installments. Deferments are possible if a borrower returns to college at least half-time.

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

Withdrawal from Classes

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

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 Student Financial Aid. 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 Student Financial Aid 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 Student Financial Aid or online at www.uni.edu/finaid/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 Student Financial Aid.

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 Student Financial Aid 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

Fees and Financial Aid

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

www.uni.edu/honors/content/presidentialscholarship

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 www.uni.edu/honors/content/presidentialscholarship or contact the University Honors Program, 2401 College Street, Cedar Falls, IA 50614-0355, 319-273-3175.

University of Northern Iowa Foundation

The UNI Foundation is the official channel through which gifts, both large and small, are given for the benefit of the university. The generosity of alumni and friends of the University of Northern Iowa provides scholarships for eligible students. Students should contact the dean of their college or the Office of Student Financial Aid for specific information on scholarships and selection criteria.

For further information contact UNI Foundation, 319-273-6078 or 1-800-782-9522, email uni.foundation@uni.edu, or visit the UNI Foundation website at uni-foundation.org.

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

www.uni.edu/admissions

Orientation programs are offered for new students to acquaint them with available educational opportunities and university services and to assist them in the class registration process. Most new freshmen who begin their study in the fall semester attend a summer orientation program during the preceding June or July. Transfer students are invited to either a spring or summer transfer orientation program. Students who do not begin their study during fall semester attend orientation and register just before classes begin for that term. Parents of new students are invited to participate in a special parent orientation program.

Housing

www.uni.edu/dor

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 Web site includes information about each residence hall, the dining operations, and the housing and dining contract. The residence hall and dining contract serves as the official application for housing in the residence halls. The application process includes completion of the contract, and payment of the \$300 Admission Acceptance fee.

The majority of new students select the 2-Year Advantage. The 2-Year Advantage option features a price freeze for housing and dining rates from year one to year two of the contract. Additional benefits include waiver of the prepayment for the second year of the contract and early move-in at no additional charge.

Priority for room self-selection and room assignments is based on contract completion date. If an applicant finds it necessary to cancel the contract before occupying the room, the prepayment refund or forfeiture is based on the date of written notification and fulfills the terms of the contract terms and conditions.

Inquiries should be directed to:

Department of Residence

Redeker Center

Cedar Falls, IA 50614-0252

319-273-2333 or toll free 866-207-9411

residence@uni.edu

Occupancy

Residence hall occupancy begins officially on the Friday prior to the first day of classes for the fall semester, and the Friday before classes begin for the spring semester. 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 residence hall and dining contract covers an entire academic year or the balance thereof; separate contracting is necessary for the summer session. 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.

Residence Halls

Students living in on-campus residence halls 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 and utilities are included. The Department of Residence is designed to provide housing to 4,600 students in ten residence communities. In addition to student rooms, each residence hall offers office support services, lounges, study rooms, recreational areas, laundry rooms, and other facilities for the comfort and convenience of the students. Computer labs are located in residence facilities throughout campus. A professional staff member supports activities that promote academic success and social events that build a strong sense of community.

Student Life

Floors within each residence hall accommodate approximately 50 students and are designated as houses. Each house sponsors its own social, cultural, and educational programs. There are houses reserved for first-year students and houses reserved for upperclass students. Living Learning Communities are houses with residents who share an academic major or a social interest. Rooms for single, double, and triple occupancy (suites) are available. One resident assistant (a student staff member) lives in each house to serve as a resource person for the members of that house.

Lawther Hall is for women only. Coeducational housing is provided in Bender, Campbell, Dancer, Hagemann, Noehren, Rider, and Shull Halls. Shull Hall is available to upperclass students only. Continuous housing (during academic and holiday break periods) is available in all halls. Summer housing is available.

ROTH Complex and Panther Village

Apartment and suite-style housing in ROTH is open to sophomores, juniors, and seniors. Panther Village is for juniors and seniors. Students in good academic standing and behavioral status qualify for housing in ROTH and Panther Village. Rooms have Internet access (wired and wireless) and cable television. Furnishing and utilities are included. ROTH and Panther Village residents may prepare their own meals or buy one of the many dining plans available. Students interested in ROTH or Panther Village as their home away from home can get additional information and submit a contract for ROTH or Panther Village housing online at www.uni.edu/dor or contact Department of Residence, Redeker Center 319-273-2333 or toll free 866-207-9411 or ROTH 319-273-7051.

Hillside-Jennings Apartments

One- and two-bedroom unfurnished apartments are available to married students, single parents with families, graduate students, transfer students, military veterans, and non-traditional students. Assignments are made on a date-of-application priority basis. Information on the Hillside-Jennings Apartments community is available online at www.uni.edu/dor. Applications and all inquiries should be directed to:

Hillside-Jennings Office
3900 Jennings Drive - Hillside Courts
Cedar Falls, IA 50613
319-273-6232

Residence Hall Meal Plans

Students in an on-campus residence hall who are first-year students, will have a meal plan featuring unlimited access to Piazza in Redeker Center and Rialto in Towers Center. Unlimited access is designed to better support students' needs for smaller meals throughout the day while increasing the opportunity for community building. These meal plans include Dining Dollars which can be used at all on-campus restaurants, convenience stores and food carts.

New transfer students and returning students living in residence halls may select from the unlimited access meal plans and additional options. Learn more about all meal plan options online at www.uni.edu/dor/dining.

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 www.uni.edu/dor.

Career Services

www.uni.edu/careerservices

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 hundreds 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 *CareerCat*, 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 (www.uni.edu/careerservices) or call 319-273-6857 and make an appointment to see us in 102 Gilchrist.

Iowa Vocational Rehabilitation Services

www.uni.edu/disability

Iowa Vocational Rehabilitation Services (IVRS) has a counselor on campus located in 102 Gilchrist to assist qualifying students with disabilities prepare for employment. Services may include helping students choose a suitable vocational goal, providing tuition assistance, providing services to help students benefit from academic training, and assisting with job placement. Students who are interested in additional information or applying for services may make an appointment by calling 319-273-6348.

Rehabilitation Services may include:

- medical and psychological assessment
- technological assessment
- vocational assessment
- counseling and guidance
- physical and/or mental restoration services which may include therapy, wheelchairs, hearing aids, eye glasses etc.
- special adaptive equipment or devices
- financial support for personal attendant assistance

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 www.uni.edu/sds.

University Health Services

University Health Services provides comprehensive mental health, physical health, and wellness services to students enrolled at the University of Northern Iowa. Services include consultation, treatment, and a full range of health promotion, wellness, and recreation activities.

Student Health Clinic and Pharmacy

The Student Health Clinic and Pharmacy are located in the Student Health Center, on the south side of 23rd Street next to the Schindler Education Center. The Student Health Clinic provides out-patient medical services Monday through Friday when classes are in session. Detailed information concerning services and hours is available at www.uni.edu/health or by calling 319-273-2009.

Emergency coverage is available at any of the hospital emergency rooms in the Cedar Falls and Waterloo area. After hours, students can seek medical advice by calling Nurse-On-Call at 319-272-2600. This service is sponsored by Covenant and Sartori Hospitals. They will provide information and, if necessary, refer you to appropriate services.

A student health insurance plan may be purchased through the university on a voluntary basis for those without medical insurance. More information is available at www.uni.edu/health/insurance. International students are required to have health insurance as a condition of admission for more information visit: www.uni.edu/health/insurance/international.

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 www.uni.edu/counseling.

Wellness and Recreation Services

The Wellness and Recreation Center, located next to the UNI-Dome, is home to Wellness and Recreation Services. Program information is available at the WRS website www.uni.edu/wellrec.

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
Maucker Union

University of Northern Iowa
1227 W. 27th St.
Cedar Falls, IA, 50614-0382
Phone: (319) 273-3040

The University of Northern Iowa has been selected as a Military-Friendly University in Military Advanced Education's (MAE) 2014 *Guide to Military Friendly Colleges and Universities*, Best for Vets 2014, and Best for Vets Business 2014. 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) 273-6801

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 www.uni.edu/commstudies/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 Pan-Hellenic 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 www.uni.edu/involvement/fsl.

Honor Organizations

Superior achievement in various academic disciplines and in extracurricular activities is recognized in honor organizations. Information on these organizations may be obtained from the Student

Student Life

Involvement Center, located on the plaza level of Maucker Union, or at www.uni.edu/involvement.

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, 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 Mid-American 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 Student Involvement Center, located on the plaza level of Maucker Union, or at www.uni.edu/involvement.

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 www.uni.edu/maucker.

Music

Music organizations and ensembles are open to all students by audition. 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 Symphony, Panther Marching Band, Symphonic Band, Concert Band, Jazz Bands, Symphony Orchestra, plus several instrumental ensembles. For further information visit www.uni.edu/music.

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 www.uni.edu/nisg.

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 Student Involvement and Activities Center, 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 Student Involvement Center, located on the plaza level of Maucker Union, or at www.uni.edu/involvement.

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 www.uni.edu/KULT.

Student Government

The student government associations include the Northern Iowa Student Government, the Residence Halls Association, the Interfraternity Council, Panhellenic Council, the Maucker Union Advisory Board, 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 (www.northern-iowan.org)

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 Web site www.uni.edu/theatre.

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.

Wellness and Recreation

Wellness and Recreation Services, located within the Wellness and Recreation Center, offers campus-wide programs in informal recreation/fitness/aquatic opportunities, intramural sports, instructional activities, as well as various health, wellness, and educational programs. The Wellness and 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
- a wellness resource lab with a massage room, a wellness library and small computer center; and
- men's and women's locker and shower facilities

For more information visit the Wellness and Recreation Services website at www.uni.edu/wellrec.

University Facilities and Educational Services

University Facilities

Rod Library

www.library.uni.edu

Centrally located on campus, and serving the UNI community through Internet-based and print collections and diverse programs, Rod Library supports the curricular, informational, and research needs of UNI's students, faculty, and staff. Rod Library strives to provide an information-rich academic environment for study, teaching, and scholarship.

Rod Library occupies a 238,000 square-foot, four-story building in the heart of campus. The library provides seating for over 2,100 patrons at study carrels and tables, in lounge seating, and in group, graduate student, and faculty studies. Rod Library also houses the University Archives and the School Library Studies program of the Department of Curriculum and Instruction.

The Rod Library building is open 99 hours per week during the spring and fall sessions. Summer session hours are set at 75 hours per week. Many Rod Library collections are available 24 hours at www.library.uni.edu.

Library collections include almost one million volumes, 2,300 periodical and newspaper subscriptions in print and online formats, with electronic access to over 59,000 journal titles; 202,000 U.S. paper documents, 301,000 U.S. and Iowa documents on microfiche, and 41,000 flat maps.

Also available to the UNI community is a broad array of full-text electronic databases including ERIC, JSTOR, LEXISNEXIS ACADEMIC, PROJECT MUSE, SCIENCEDIRECT, and many others. Circulating books and the journals collection are in open stacks, shelved by the Library of Congress classification system.

Collections and services of special note are:

Art & Music -

www.library.uni.edu/collections/art-music-collection

Collection Management -

www.library.uni.edu/collection-management

Distance Learning -

www.library.uni.edu/distance-learners

Documents & Maps -

www.library.uni.edu/collections/gov-docs

Interlibrary Loan (for materials not held at Rod Library)

www.library.uni.edu/interlibrary-loan

Library Instruction -

www.library.uni.edu/library-instruction

Reference -

www.library.uni.edu/departments/reference-instructional-services

Special Collections & University Archives -

www.library.uni.edu/collections/special-collections

UNISTAR: UNI's Online Catalog -

<http://unistar.uni.edu/search~S1>

Youth -

www.library.uni.edu/collections/youth-collection

Human Performance Center

Opened in late fall of 2007, the 33,000 square foot 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 School of Health, Physical Education and Leisure 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 Adventure™ 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, and dining services. The building houses the offices of the campus newspaper, student government, student radio, the Center for Multicultural Education, student organization offices, LGBT Student Center, Military and Veteran Student Center, and International Student Programs.

The Student Involvement Center of Maucker Union 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, and programming are central to this office and Maucker Union as a whole.

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 www.uni.edu/maucker.

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 319-273-2188.

For further information visit www.uni.edu/museum/mcs/index.html.

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 www.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, 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 www.uni.edu/ur or call 319-273-2761.

The University of Northern Iowa Alumni Association

The UNI Alumni Association boasts of more than 100,000 living alumni. More than 60% of our graduates live in Iowa, a testament to our standing as Iowa's university. Our mission is to support and strengthen the University of Northern Iowa by offering programs and services that engage, educate, serve, and provide value to alumni, students, parents, and friends.

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 www.unialum.org, email info@unialum.org, visit the Alumni House (across from University Book and Supply) 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 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 www.unialum.org.

Lux Service Award

The University of Northern Iowa Lux Service Award is presented annually to three undergraduate students who epitomize the ideal of service to the university community.

The honor is conferred in the spirit of keeping the light of service to others burning bright at UNI. The name of the award - Lux - is from the University's official seal that features a burning lamp of knowledge and the Latin word for light.

University Facilities and Educational Services

The University of Northern Iowa Alumni Association and Student Life sponsor the award.

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 www.unialum.org/o.

Students Today, Alumni Tomorrow (STAT)

STAT offers exceptional discounts at local businesses and provides great social and professional networking opportunities in a single organization. Nearly 2,750 members make STAT the largest student organization at UNI.

STAT is truly fully integrated into the life of the campus and the community. Members are involved in student activities, Panther athletics, and community events, as well as receive exceptional discounts at local businesses, and a benefit package that include Beat Tees, STAT tees, and more.

Learn more at www.unialum.org/STAT.

UNI Outreach Events

The Alumni Association hosts a variety of campus events to entertain, educate, and connect. 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 www.unialum.org.

The University of Northern Iowa Foundation

The University of Northern Iowa Foundation is a non-profit corporation formed in 1959 to assist the university in projects which are vital to its growth and development but are most appropriately financed from private funds. Many accounts within the foundation have been established as memorial funds for members of the faculty, staff, or alumni. Through its annual giving program, the foundation provides alumni and friends of the university an opportunity to assist in extending the usefulness of the university, providing that margin of excellence which is characteristic of a quality university. As an additional service for alumni and friends, the foundation staff assists in estate planning.

The foundation is the official channel through which *private* gifts are given for the benefit of the University of Northern Iowa. Individuals and organizations are assured of continuity of management of such funds and of their being used for the purposes which the donor intended. As a charitable organization, all gifts to the foundation are tax deductible.

Gifts or questions should be addressed to:

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

www.uni-foundation.org

Educational Services

Advising

UNI's undergraduate advising is structured to provide advising for students in their majors. It is the responsibility of the student to track their progress toward degrees and meet requirements for graduation. All students are encouraged to visit with their advisor for assistance.

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.

Vision Statement

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

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

www.uni.edu/advising

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 places students at the center of our advising and believes students are capable of directing their own academic lives with sufficient advising information and support. This requires that students be active participants in the academic advising process.

The Office of Academic Advising can help students:

- find a major
- link majors with careers
- relate career goals to majors
- select appropriate courses and other educational experiences
- adjust semester course schedule
- tailor academic programs to fit interests
- enroll in a credit bearing course: POSTSEC 1050 (170:050) Career Decision Making

- interpret institutional academic requirements
- develop decision-making skills

The Office of Academic Advising is open to all students who wish to receive assistance in selecting majors, minors and certificate programs; identify and resolve academic difficulties. In order to set realistic academic goals, students advised by the Office of Academic Advising are able to participate in individual conferences, special programs and receive assistance with course selection. 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)

www.uni.edu/unialc/

Professional educators, advisors, and trained, certified peers are available to assist UNI undergraduate and graduate students to become more efficient and effective learners and communicators and to maximize their control of their academic performance. The ALC offers an accessible, supportive environment for students at all levels of preparation and achievement. Additionally, professional staff serves as a resource for faculty and staff. On the main floor of the Innovative Teaching and Technology Center, students can access the ALC's Academic Achievement and Retention Services, Examination Services, the TRIO Student Support Services Program, Math and Science Services, the College Reading and Learning Center, and the Writing Center. For more information on each service, see detailed descriptions.

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, academic planning, career/graduate school exploration, and financial literacy education
- individual and group tutoring for selected courses
- workshops to enhance study skills, finances, and career interests
- Strategies for Academic Success, a two-credit course to assist new students in their transition to UNI
- collaboration with other campus offices 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. In addition to test administration, this program provides test registration information and referrals for preparation assistance.

Examination Services offers these tests:

- Praxis Series for teaching certification
- CLEP (College Level Examination Program tests for college credit)
- TOEFL (Test of English as a Foreign Language)
- ACT (American College Testing Program)
- CASTLE Worldwide (Certification Tests)
- DSST

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.

- GRE (Graduate Record Examination)
- MAT (Miller Analogies Test)

Professional School Admission Tests:

- LSAT (Law School Admission Test)

For additional information on registration, fees, practice tests, and testing dates, please see www.lsac.org/ call 319-273-6023.

College Reading and Learning Center

008 ITTC

319-273-2361

The College Reading and Learning Center (CRLC) has trained and certified academic coaches who work with students to help them develop and apply effective college reading, learning, studying, and time management strategies with:

- individualized appointments
- workshops, courses, study groups, supportive seminars, and presentations
- preparation for the Praxis Core Reading and GRE Verbal
- A-Team: academic coaches available for general study strategies coaching in any subject, Sundays 6:00 p.m.-9:00 p.m., Rod Library

The College Reading and Learning Center also offers faculty consultation and presentations for groups upon request and subject to staff availability.

Math and Science Services

008 ITTC

319-273-2361

The purpose of Math and Science Services is to provide academic resources to inspire, challenge, and empower UNI students to achieve success in their math and science courses. In addition, tutors are available to assist students with study skills, TI-83 calculator use, and time management. Math and Science Services works in concert with UNI math and science faculty, the Mathematics Department, the College of Humanities, Arts, and Sciences, and affiliates of the Academic Learning Center to provide the following resources:

University Facilities and Educational Services

- Math and science preparedness consultations
- supplemental instruction for specific courses
- Calculator Lending Program
- walk-in, one-on-one tutoring and study skills assistance 10:00 a.m. - 2:00 p.m. Monday through Thursday, and Friday 10:00 a.m. - 12:00 Noon during the Fall and Spring semesters. Summer tutoring is available by appointment only
- tutoring by appointment. Call 319-273-2361 to schedule.
- test preparation
- study groups
- GRE Quantitative preparation courses
- Success in Science and Math workshops
- A-Team: math, science, and business tutors available for walk-in assistance Sundays 6:00 p.m.-9:00 p.m., Rod Library

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:

- academic, career, financial, and personal advising
- instructional support, including tutoring and study groups
- assistance with long-range planning and goal-setting
- monitoring of academic progress
- group and individual programming on college transition and survival, study skills, and financial literacy
- For-credit courses: POSTSEC 1050 (170:050) Career Decision Making and POSTSEC 1055 (170:055) Strategies for Academic Success
- cultural and educational activities
- financial assistance to qualified participants
- graduate school planning and enrollment assistance

Student Support Services serves 200 eligible participants each year.

Writing Center

008 ITTC
319-273-2361

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

- prepare for Praxis Core Writing and GRE Analytical Essays

In addition, the Writing Center offers faculty consultation and workshops customized for specific courses and groups, subject to staff availability. A-Team writing coaches are available for walk-in assistance Sundays 6:00 p.m.-9:00 p.m., Rod Library.

Information Technology Services

www.uni.edu/its

UNI employs a hybrid centralized-decentralized Information Technology (IT) governance model, where in, the central unit (Information Technology Services or ITS) provides common services and distributed IT units focus on unit-specific needs. ITS is responsible for campus-wide aspects of information technology for academic and administrative functions including the data and voice networks, enterprise financial and student systems, business intelligence and reporting, identity management and authentication, and other enterprise class software systems and services.

Online Resources for Students

Overview: www.uni.edu/its/resources/students

Support and Training: www.uni.edu/its/support

Hardware and Software Purchasing and Support: www.uni.edu/its/software-hardware

Computer Labs: www.uni.edu/its/labs

Services and Solutions: www.uni.edu/its/services

- **eLearning:** www.uni.edu/its/services/elearning
- **Password resets:** www.uni.edu/its/support/passwords
- **Google Apps:** www.uni.edu/its/support/article/1566

Instructional Resources and Technology Services

www.uni.edu/coe/about/centers-and-services.irts

Instructional Resources and Technology Services, within the College of Education, provides services and resources for teacher education students and faculty. 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. All resources are cataloged and accessible via a UNISTAR research of the IRTS collection.

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, and multimedia systems. All College of Education computer laboratories are instructional labs and are available on a walk-in basis when classes are not in session. Each lab has a projector for displaying images from the instructor station as well as a document camera. All computers include standard productivity tools including spreadsheets, database management, and word processing.

Visit this website for more detailed information about these computer labs: www.uni.edu/coe/about/centers-and-services/irts/labs-classes.

- SEC 206 (within SEC 222: Windows lab with 20 student stations);
- SEC 127-128 Technology Methods Lab: Macintosh lab with 35 student stations;
- WRC 154: Windows desktop lab with 30 student stations;
- Mobile Notebook cart with 20 Windows machines for Schindler Education Center use only.

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 are UNI students who serve as volunteers or tutor to fulfill the requirements of a university course. 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.

The **UNI-CUE Leadership Academy** is a four-week summer program for students preparing to enter middle school in the fall. 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.

Assistance is provided through counseling regarding the variety of opportunities for further schooling, information regarding admission and financial aid application processes, advice on career choices and appropriate postsecondary institutions, college tutors, workshops, and tutoring. Students in 6th grade through age 18 are eligible to participate in the ETS 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 Instruction/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.

University Facilities and Educational Services

Contact Information:

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

800 Sycamore Street
Waterloo, IA 50703
319-433-1220 fax 319-433-0160
<https://www.uni.edu/eop>

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

800 Sycamore Street
Waterloo, IA 50703
319-433-1220 fax 319-433-0160
<https://www.uni.edu/eop/unicue>

Educational Opportunity Center (EOC)

800 Sycamore Street
Waterloo, IA 50703
319-433-1230 fax 319-433-0160
<https://www.uni.edu/eop/eoc>

Educational Talent Search (ETS)

800 Sycamore Street
Waterloo, IA 50703
319-433-1240 fax 319-433-0160
<https://www.uni.edu/eop/ets>

Classic Upward Bound (CUB)

800 Sycamore Street
Waterloo, IA 50703
319-433-1250 fax 319-433-0160
<https://www.uni.edu/eop/cub>

The Roy Eblen Speech and Hearing Clinic

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

UNI Child Development Center

www.uni.edu/cdc

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

www.uni.edu/artdept

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

www.uni.edu/artdept/gallery

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 www.uni.edu/artdept/gallery.

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

www.uni.edu/commstudies

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.

School of Health, Physical Education and Leisure Services

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

The nationally award winning Wellness/Recreation Center houses the School of Health, Physical Education & Leisure Services 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 Performing Arts Center

www.uni.edu/music

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 Performing Arts Center, creating additional space for School of Music students, faculty, ensembles, and concert events. For more information visit www.uni.edu/music.

The Fine and Performing Arts at UNI

Department of Theatre

www.uni.edu/theatre

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

Department of Art

www.uni.edu/artdept

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

www.uni.edu/commstudies

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

www.uni.edu/music/

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

www.uni.edu/theatre

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

Department of Art

www.uni.edu/artdept

There are many ways for students to be involved in the campus arts scene at UNI. Lectures and exhibitions in the UNI Gallery of Art are free and open to the public. Students can serve on university committees such as the Art & Architecture Committee which commissions and purchases public art work for the Iowa Art in Public Buildings Program. The UNI Gallery of Art also welcomes student volunteers who wish to gain experience in hanging exhibitions and caring for artwork.

Art Official

All students are invited to join Art Official, the UNI student art organization. Each year, Art Official organizes a number of engaging activities that encourage participants to live creatively. Art Official plans trips to regional galleries and museums and sponsors other events such as the annual Halloween dance and costume contest.

SAEA

The Student Art Education Association allows Art Education majors in the Department of Art to interact with the Art Education faculty, the Iowa Art Education Association, and the National Art Education Association. SAEA sponsors numerous events related to art education and encourages networking between students and professional teachers working in the field.

Department of Communication Studies

www.uni.edu/commstudies

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.

School of Health, Physical Education and Leisure Services

www.uni.edu/dance

Dance classes and the dance performing groups are housed in the School of Health, Physical Education and Leisure Services. 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

www.uni.edu/music

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**
Chamber Singers, 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 Symphony;
- **SPECIALTY GROUPS**
Chamber Winds, Horn Choir, Jazz Combos, Northern Iowa Flute Choir, Percussion Ensemble, Clarinet Ensemble, Taiko Drum Ensemble, String Chamber Music, UNITUBA Ensemble, West

The Fine and Performing Arts at UNI

African Drum Ensemble, and others. For additional information visit www.uni.edu/music.

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

www.uni.edu/theatre

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 (www.uni.edu/theatre) and in the campus press. Students interested in non-performance participation can make a contribution in scenery and properties construction, costume and wardrobe, makeup and hair, lights and audio production, front of house, and stage management by contacting the Theatre office 319-273-6386 or the production's director.

UNISTA

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

Alpha Psi Omega

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

USITT

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

Community Participation and Organizations in the Arts

Department of Art

www.uni.edu/artdept

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.

School of Health, Physical Education and Leisure Services

www.uni.edu/coe/hpels

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

www.uni.edu/music

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 www.uni.edu/music.

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

www.uni.edu/theatre

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 www.uni.edu/assessment. Questions about assessment at UNI can be directed to the Office of Academic Assessment and the Office of Institutional Research.

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 indicated 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 contact the Office of the Registrar 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 through the Office of the Registrar.

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
- 1/2 time: 6-8 hours
- Less than 1/2 time: 1-5 hours

Graduate

- Full-time: 9 or more hours
- 3/4 time: 7-8 hours
- 1/2 time: 5-6 hours
- Less than 1/2 time: 1-4 hours

Summer Session*

Undergraduate

- Full-time: 9 hours
- 3/4 time: 7-8 hours
- 1/2 time: 5-6 hours
- Less than 1/2 time: 1-4 hours

Graduate

- Full-time: 7 hours
- 3/4 time: 6 hours
- 1/2 time: 4-5 hours
- Less than 1/2 time: 1-3 hours

* The above specifications **apply only to eight-week courses**. For the specifications which apply to four- or six-week session courses or a combination, consult the Office of the Registrar.

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 third week 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 third week of the term is rare and is at the discretion of those approving the request. To add a class for credit after the third week 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 particular 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 indicated in the table below, beginning with the date of formal withdrawal with the Office of the Registrar. The amount of 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 Student Financial Aid. 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 result in 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. On occasion events will necessitate a student's absence from class. This policy delineates the responsibilities of faculty members and students relating to class attendance and make-up work.

Definition:

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

Policy

A. General Provisions

1. Faculty members who choose to have policies related to attendance and make-up work must distribute those policies by the end of the first week of instruction.
2. Students must adhere to each faculty member's policies regarding attendance and make-up work.
3. Faculty members who require attendance at activities or events that may conflict with a student's otherwise regularly scheduled classes are expected to be reasonable in setting these requirements. If a faculty member will require student attendance at an activity or event outside of the regularly scheduled class period, the affected students must be provided with written notice at least 10 university class days in advance of the event during the fall or spring semester and by the third day of the course for any summer term class. The faculty member must provide each student with a notice that can be given to the faculty member who instructs another course affected by the required attendance of the student. It is then the student's obligation to notify the other faculty member. In the case of extracurricular activities, a semester-long schedule should be prepared and distributed to the participating students at the beginning of the semester. It is the student's obligation to provide the schedule to 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.

b. 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, it is expected that the class will meet at the time of the officially-scheduled final examination, whether or not a final examination is administered.

The department heads shall have the responsibility for seeing that the final examination schedule and the relevant 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 is required to 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 which is 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 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 used as the basis of computation with the following exceptions for students enrolled as undergraduates. If a student repeats successfully a course s(he) has previously failed, only the grade received for the successful completion will be included in figuring the cumulative grade point. If a student repeats a course s(he) has 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 is 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 in an on-campus setting, which was failed, may be repeated but must also be taken in a like on-campus setting. 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. A course that has been failed may not be repeated by correspondence (specified as Guided Independent Study at UNI), nor may credit be established by examination for a course which has been taken previously and failed. A correspondence/UNI Guided Independent Study course which has been completed and failed may be repeated through correspondence/UNI Guided Independent Study.

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 www.uni.edu/registrar. 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

www.uni.edu/honors

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.

Academic Regulations

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:

- ACT composite of 27 or above (SAT-CR&M of 1210 or above) and top 10% high school class rank, *or*
- RAI of 330 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 <http://www.uni.edu/honors/content/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 www.uni.edu/honors/content/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 Special Programs Office or 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: www.uni.edu/careerservices.

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 which has been 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 already 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 is responsible for giving the examinations and establishing 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 making application for credit by examination.

Note: For limitations in the total amount of 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 Office of the Registrar 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
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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

*(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.

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.

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 certificate and expects to be recommended by this university for an original certificate must also file an official transcript, 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 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.

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 at access.uni.edu/forms/#S 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 (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.

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 <http://access.uni.edu/forms/index.shtml> (Student Requests - Undergraduate), 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:

- Collaborating with faculty in creation of procedures, policies, and tools for the education and enforcement of academic ethics and integrity.
- Assisting and supporting faculty in the investigation and appropriate correction of violations of academic ethics and integrity
- Discussing the importance of academic honesty and ethics with students.
- Addressing violations of the academic ethics policy by a student.
- 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:

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

- b. Including a reference to the Academic Ethics policy on each course syllabus every semester;
- c. Discussing the importance of academic honesty and ethics with students;
- d. Making clear on their syllabus their expectations regarding individual or collaborative work, the use of supplemental aids for examinations and assignments and other specific guidelines they want students to follow in completing assigned course work;
- e. Being available to answer students' questions about issues of academic honesty and proper procedures for course work;
- f. Addressing violations of the academic ethics policy by a student.

3. Responsibilities of Students

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

- a. Reading and becoming familiar with the Academic Ethics policy;
- b. Understanding and avoiding actions that violate the Academic Ethics policy ;
- c. Undertaking a commitment to act with honesty and integrity in completing any and all academic work;
- d. Understanding and applying the proper methods of attribution and citation in all written, oral and electronic submissions;
- e. Making sure they understand the requirements and expectations for academic work of each of their professors and to seek clarification from the faculty member when they are unsure if their behavior will violate those expectations;
- f. Maintaining University standards by reporting acts of academic misconduct to the faculty member for the course or another academic administrator such as a department head or dean.

4. Academic Ethics Violations

a. Plagiarism

- i Copying information word for word from a source, including cutting and pasting information from an electronic text, without using quotation marks and giving proper acknowledgment of the source or providing a proper citation.
- ii Paraphrasing, or putting into one's own words, the text of a source without providing proper acknowledgment of the source or providing a proper citation. The paraphrasing leads the reader of the text to believe that the ideas and arguments presented are one's own.
- iii Paraphrasing extensive portions of another source, even with citation. The extensive paraphrasing leads the reader of one's own text to believe that the ideas and arguments presented are one's own or it results in one's own contribution to the work being minimal.
- iv Presenting any work or part of a work or assignment that has been prepared by someone else as one's own. This would include using unauthorized assistance in preparing the work or acquiring written work from another person,

purchasing a paper or assignment from a commercial organization, using the work of another person or obtaining the answers or work from any other source.

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

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

- i Arranging for another student to complete course work for one including taking an exam on one's behalf.
- ii Taking credit for work one didn't complete, such as taking credit for a team assignment without participating or contributing as expected by one's instructor or team mates.
- iii Turning in the same or substantially similar written work to satisfy the requirements for more than one project or course, without the express, prior written consent of the instructor or instructors. If the work is from a prior term's course one would need the express written consent of the current instructor. If you want to submit the work in more than one course during the same term one needs the express written consent of all instructors who will receive the work.

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

- i Falsifying data collected during a research activity.
- ii Presenting falsified data in a paper, manuscript, or presentation.
- iii Making up a source for a citation.
- iv Citing a source the writer did not use.
- v Altering and resubmitting assignments, tests, quizzes or exams to gain additional credit.

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

- i Copying from someone else's assignment, paper, quiz or exam.
- ii Looking on someone else's exam before or during an examination.
- iii Unauthorized use of notes or other aids during a quiz, exam or other performance evaluation.
- iv During a quiz or exam, using an electronic device that contains unauthorized information.
- v Communicating or attempting to communicate answers, hints or suggestions during an exam using any means including electronic devices.
- vi Collaborating, without prior permission from one's professor, in the preparation of assignments, lab reports, papers or take home exams.
- vii Using another person's answers for an assignment.
- viii Providing test questions to other students either orally or in written form.

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

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

- i Tampering with, damaging, hiding or otherwise impeding other students' access to library materials or other related academic resources.
- ii Attempting to prevent access by others to the computer system or destroying files or materials in the e-learning system for the course.

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

- i Falsifying, misusing, or tampering with information such as test scores, transcripts, letters of recommendation or other materials required for admission to and continued enrollment and access in the University's programs or facilities.
- ii Altering, forging or misusing academic records or any official University form regarding self or others.
- iii Presenting false information at an academic proceeding or intentionally destroying evidence important to an academic proceeding.
- iv Making a bad faith report of an academic integrity violation.
- v Offering bribes to any University representative in exchange for special favors or consideration in an academic proceeding.

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

5. Academic Ethics Sanctions

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

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

a. Level One Violations

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

Examples include but are not limited to:

- Working with another student on a homework assignment or a lab report when the instructor has not explicitly authorized collaborative work.

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

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

b. Level Two Violations Level Two violations involve dishonesty and/or affect a significant portion of the course work.

Examples include but are not limited to:

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

Possible sanctions include, but are not limited to:

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

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

c. Level Three Violations

Level Three violations include dishonesty that affects a major or essential portion of work done to meet course requirements

or assisting others to dishonestly complete such work. A third Level One violation or second Level Two violation will also be considered as a Level Three violation.

Examples include but are not limited to:

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

Required sanctions:

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

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

d. Level Four Violations

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

Examples include but are not limited to:

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

Required sanctions:

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

Faculty Senate, approved April 16, 2012

President's Cabinet, approved August 6, 2012

Student Conduct

The University of Northern Iowa expects all students to observe university regulations and the city, state, and federal laws, and to fully respect the rights of others. The University Student Conduct Code contains more specific information concerning student conduct and disciplinary action. This information is available by visiting www.uni.edu/deanofstudents/handbook. 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 contained 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 www.uni.edu/pres/policies. 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 1 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 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, gender identity, national origin, race, religion, sex, sexual orientation, veteran 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 non-discrimination policies and serves as the University Title IX Officer: 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.

All major publications of the University will include this non-discrimination policy statement in compliance with Title IX and other non-discrimination regulations.

*Office of Compliance and Equity Management, approved March 2002, July 2002
President's Cabinet, approved April 2002, July 30, 2002*

For additional information, contact:

Office of Compliance and Equity Management
117 Gilchrist
University of Northern Iowa
Cedar Falls, IA 50614-0028
319-273-2846
or visit www.uni.edu/equity

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

Policy Contents

This policy is outlined as follows:

- I Prohibited Conduct
 - A. Discrimination
 - B. Harassment

- 1. Bias-Related Harassment
- 2. Sexual Harassment
- 3. Sexual Misconduct

- C. Retaliation
- D. Other Offenses

- II Jurisdiction/Application
- III Reporting Responsibilities
 - A. Title IX Officer and Deputy Coordinators
 - B. Role of the Title IX Officer and Deputy Coordinators
 - C. Police Reporting
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- IV Complaint Resolution Process
 - A. Confidentiality and Reporting of Offenses
 - 1. Anonymous and Third Party Reporting
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 - 3. Private Reporting
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 - B. Informal Resolution Process
 - C. Formal Resolution Process
 - 1. Filing a Complaint
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 - 3. Investigation
 - 4. Investigation Findings
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 - 6. Appeals
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- V Remedial Actions
- VI Statement of Rights for Complainants and Respondents
- VII Records
- VIII Resources
 - A. University Title IX Officer and Deputy Coordinators
 - B. External Sources
 - C. Iowa State Law Definitions
 - D. Other University Policies
 - E. Support Resources

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 uni.edu/safety.

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 below. A complainant's options for reporting are addressed more specifically in Section IV below.

I. Prohibited Conduct

A. Discrimination

The University of Northern Iowa adheres to all federal and state civil rights laws banning discrimination in public institutions of higher education. The University prohibits discrimination against any employee, applicant for employment, student or applicant for admission on the basis of any protected class. Protected classes include: 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 any other protected category under applicable federal, state, or local law, including protections for those opposing discrimination or participating in any complaint process on campus or with other human rights agencies.

This policy covers discrimination in employment and in access to educational opportunities. Discrimination is defined as adverse treatment of an individual based on that individual's membership in one or more of the protected groups listed above. Therefore, any member of the campus community, guest, or visitor who acts to deny, deprive, or limit the educational, employment, housing and/or social access, benefits, and/or opportunities of any member of the campus community on the basis of their actual or perceived membership in the protected classes listed above is in violation of the University policy on discrimination. **All University employees shall report all suspected incidents of discrimination or harassment (see Section III. Reporting Responsibilities).** When brought to the attention of the University, any such discrimination will be appropriately remedied by the University according to the procedures outlined in this policy.

B. Harassment

The University prohibits harassment against any employee, student, visitor, or guest on the basis of any class protected by University policy or law as identified in Section I.A. above. This policy is not meant to inhibit or prohibit educational content or discussions inside or outside of the classroom that include germane but controversial or sensitive subject matters. The sections below describe the specific forms of prohibited harassment under University policy.

1. Bias-Related Harassment

This policy prohibits any form of harassment on the basis of actual or perceived membership in a protected class, by any member or group of the campus community, which unreasonably interferes with an individual's work or academic environment.

This environment may be created by verbal, written, graphic, threatening and/or physical conduct that is sufficiently severe, persistent, or pervasive so as to interfere with, limit, or deny the ability of an individual to participate in or benefit from educational programs or activities or employment access, benefits, or opportunities. Merely offensive conduct and/or harassment of a generic nature not on the basis of membership in a protected class may not result in a violation of this policy but may be addressed through education and/or other resolution methods.

2. Sexual Harassment

This policy prohibits any form of sexual harassment. Sexual harassment is unwelcome sexual- or gender-based verbal, written, online, and/or physical conduct. Anyone experiencing sexual harassment in any University program is encouraged to report it online, to the University's Title IX Officer or a Deputy Coordinator, or by methods identified in the Complaint Resolution Process Section (IV.A. Confidentiality and Reporting of Offenses). Sexual harassment creates a hostile environment and may be disciplined when it is sufficiently severe, pervasive, persistent, or objectively offensive that it:

- has the effect of unreasonably interfering with, denying, or limiting employment opportunities or the ability to participate in or benefit from the University's educational, social, and/or residential program, or
- is based on power differentials (*quid pro quo*), the creation of a hostile environment, or retaliation.

Some examples of possible sexual harassment include:

- A professor insists that a student have sex with the professor in exchange for a good grade. This is harassment regardless of whether the student complies with the request.
- A student repeatedly sends sexually oriented jokes on an e-mail list the student created, even when asked to stop, causing one recipient to avoid the sender on campus and in the residence hall in which they both live.

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- Two supervisors frequently rate several employees' bodies and sex appeal, commenting suggestively about their clothing and appearance.

Consensual Relationships. Consensual romantic and/or sexual relationships where a power differential exists, whether real or perceived, may constitute sexual harassment. The effect of such a relationship may render an individual's work, academic, or social environment intimidating, offensive, or hostile. Hence, all University employees are strongly discouraged from entering into romantic and/or sexual relationships which could lead to the creation of a hostile educational, social, and/or work environment for other members of the University community.

3. Sexual Misconduct

This policy prohibits any form of sexual misconduct. Acts of sexual misconduct may be committed by any person upon any other person, regardless of the sex, gender, sexual orientation, and/or gender identity of those involved. The definition of consent below will be used in the interpretation and application of this policy:

Consent. Consent is knowing, voluntary, and clear permission by word or action to engage in mutually agreed upon sexual activity. Since individuals may experience the same interaction in different ways, it is the responsibility of each party to make certain that the other has consented before engaging in the activity. For consent to be valid, there must be a clear expression in words or actions that the other individual consented to that specific sexual conduct. Consent to a specific sexual contact (such as kissing or fondling) cannot be presumed to be consent for another specific sexual activity (such as intercourse). A current or previous dating relationship is not sufficient to constitute consent. Silence or the absence of resistance alone is not consent. The existence of consent is based on the totality of the circumstances, including the context in which the alleged incident occurred. Individuals can withdraw consent at any time during sexual activity by expressing in words or actions that they no longer want the act to continue, and, if that happens, the other person must stop immediately.

A person cannot consent if he or she is incapacitated. Under this policy, a person is incapacitated if he or she is disabled or deprived of ability to act or reason for one's self, is unable to understand what is happening, or is disoriented, helpless, asleep, or unconscious for any reason, including due to alcohol or other drugs. Incapacitation is defined as a state where someone cannot make rational, reasonable decisions because they lack the capacity to give knowing consent (e.g., to understand the "who, what, when, where, why, or how" of their sexual interaction). This policy also covers a person whose incapacity results from mental disability, involuntary physical restraint, and/or from taking of an incapacitating substance. Under Iowa law, a person is incapacitated if the person is temporarily incapable of apprising or controlling the person's own conduct due to the influence of a narcotic, anesthetic, or intoxicating substance; if a person is unable to communicate an

unwillingness to act because the person is unconscious, asleep, or is otherwise physically limited; or if the person has a bodily impairment or handicap that substantially limits the person's ability to resist or flee.

An individual who engages in sexual activity when the individual knows, or should know, that the other person is physically or mentally incapacitated has violated this policy. It is not an excuse that the respondent to a claim of sexual misconduct was intoxicated and, therefore, did not realize the other person's incapacity.

The following are types of prohibited sexual misconduct under this policy:

a. Sexual Harassment (defined in Section I.B.2. above)

b. Non-Consensual Sexual Intercourse

Defined as:

- any sexual penetration or intercourse (anal, oral, or vaginal)
- however slight
- with any object
- by a person upon another person
- that is without consent and/or by force.

Sexual penetration includes vaginal or anal penetration by a penis, tongue, finger, or object, or oral copulation by mouth-to-genital contact or genital-to-mouth contact.

c. Non-Consensual Sexual Contact

Defined as:

- any intentional sexual touching
- however slight
- with any object
- by a person upon another person
- that is without consent and/or by force.

Sexual touching includes any bodily contact with the breasts, groin, genitals, mouth, or other bodily orifice of another individual or any other bodily contact in a sexual manner.

d. Sexual Exploitation

Defined as:

- taking non-consensual or abusive sexual advantage of another; and
- the conduct does not fall within the definitions of sexual harassment, non-consensual sexual intercourse, or non-consensual sexual contact. Examples of sexual exploitation include, but are not limited to:
 - sexual voyeurism (such as watching a person undressing, using the bathroom, or engaging

in sexual acts without the consent of the person observed)

- taking photographs, video recording, or audio recording of another in a sexual act or in any other private activity without the consent of all persons involved in the activity
- exceeding the boundaries of consent (such as allowing another person to hide in a closet and observe sexual activity or disseminating sexual pictures without the photographed person's consent)
- engaging in sexual activity with another person while knowingly infected with human immunodeficiency virus (HIV) or other sexually transmitted disease (STD) without informing the other person of the infection
- administering alcohol or drugs (such as "date rape" drugs) to another person without the person's knowledge or consent

e. Relationship Violence

Defined as:

- violence between those in an intimate relationship (this includes romantic, dating, or domestic relationships). Examples include, but are not limited to:
 - physical assault between two people in a current or prior intimate relationship who do not live together (Dating Violence)
- physical assault between two people in an intimate relationship who live together (Domestic Violence)

See Section VIII.C. below for the definition of Domestic Violence and Dating Violence under Iowa law.

f. Stalking

Defined as:

- a course of conduct
- directed at a specific person
- that is unwelcome
- and would cause a reasonable person to feel fear or suffer substantial emotional distress. Examples include, but are not limited to:
- sending multiple unwanted text messages, phone calls, or electronic communications
- following, watching, photographing, or otherwise tracking an individual without his or her permission
- sending unwelcome gifts, notes, or other items to another person

See Section VIII.C. below for a definition of Stalking under Iowa law.

C. Retaliation

The University seeks to create an environment where its students and employees are free, without fear of reprisal, to use its procedures to determine if there has been a violation of their civil rights. Any act of retaliation will result in appropriate disciplinary action.

Retaliation is defined as any adverse action taken against a person participating in a protected activity because of their participation in that protected activity. Retaliation against an individual for alleging a violation of their civil rights, supporting a complainant, or for assisting in providing information relevant to a claim, is a serious violation of the this policy. Acts of alleged retaliation should be reported immediately to the Title IX Officer or Deputy Coordinators. For other acts of alleged retaliation, see Policy 13.19 Retaliation and Misconduct Reporting.

D. Other Offenses

This policy prohibits other offenses of a discriminatory, harassing, and/or retaliatory nature not included in the previous sections as follows:

- Intimidation, defined as implied threats or acts that cause a reasonable fear of harm in another on the basis of actual or perceived membership in a protected class
- Hazing, defined under this policy as acts likely to cause physical or psychological harm or social ostracism to any person within the University community when related to the admission, initiation, pledging, joining, or any other group-affiliation activity on the basis of actual or perceived membership in a protected class. See Section VIII.C. below for a definition of Hazing under Iowa law.
- Bullying, defined under this policy as repeated and/or severe aggressive behavior likely to intimidate or intentionally hurt, control or diminish another person, physically or mentally on the basis of actual or perceived membership in a protected class. See Section VIII.C. below for a definition of Bullying under Iowa law.
- Violation of any other University rule, when it is motivated by sex or gender or the actual or perceived membership of the victim in a protected class, may be pursued using this policy and process.

II. Jurisdiction/Application

This policy applies to allegations of discrimination, harassment, and retaliation that take place on UNI property or at university-sponsored events, regardless of their location. This policy may also apply to allegations of discrimination, harassment, and retaliation that occur off-campus or to actions online when the Title IX Officer or Deputy Coordinator determines that the off-campus or online conduct could

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have an on-campus impact or impact on the educational mission of the University. Such impact includes:

- Any action that constitutes a criminal offense as defined by federal, state, or local law;
- Any situation where it appears that the respondent may present a danger or threat to the health or safety of self or others;
- Any situation that significantly impinges upon the rights, property, or achievements of others or significantly breaches the peace and/or causes social disorder; and/or
- Any situation that is detrimental to the educational interests of the University.

The University's response may be limited if the respondent was a guest or is not subject to the University's jurisdiction

III. Reporting Responsibilities

All University employees who are aware of or witness discrimination, harassment, sexual misconduct, or retaliation are required to promptly report to the Title IX Officer or a Title IX Deputy Coordinator. Any student who is aware of or who witnesses discrimination, harassment, sexual misconduct, or retaliation is encouraged to promptly report to the Title IX Officer or a Title IX Deputy Coordinator. All initial contacts will be treated with the maximum possible privacy: specific information on any complaint received by any party will be reported to the Title IX Officer, but, subject to the University's obligation to investigate and redress violations, every reasonable effort will be made to maintain the privacy of those initiating a report of a complaint. In all cases, the University will give consideration to the complainant with respect to how the complaint is pursued but reserves the right, when necessary to protect the community, to investigate and pursue a resolution when an alleged victim chooses not to initiate or participate in a formal complaint.

Please note: This section addresses reporting obligations for members of our campus community who are made aware of potential violations of this policy. Methods for filing a complaint and the Complaint Resolution Process are detailed in Section IV. Additional resource-related information can be found in Section VIII and at uni.edu/safety.

A. Title IX Officer and Deputy Coordinators

University Title IX Officer:

Leah Gutknecht, Assistant to the President for Compliance and Equity Management
117 Gilchrist Hall, 319.273.2846, leah.gutknecht@uni.edu

Title IX Deputy Coordinators:

Leslie Williams, Dean of Students
118 Gilchrist Hall, 319.273.2332, leslie.williams@uni.edu

Jean Berger, Senior Associate Athletic Director
310 UNI-Dome, 319.273.2556, jean.berger@uni.edu

Gwenne Berry, Associate Director of Compliance and Equity Management
117 Gilchrist Hall, 319.273.2846, gwenne.berry@uni.edu

B. Role of the Title IX Officer and Deputy Coordinators

The Title IX Officer and Deputy Coordinators are charged with coordinating the University response to reports of misconduct under this policy. The Title IX Officer and Deputy Coordinators do not serve as advocates for either the complainant or the respondent. The Title IX Officer or Deputy Coordinators will explain to both parties the informal and formal processes outlined below and the provisions for confidentiality. Where appropriate, the Title IX Officer or Deputy Coordinators will provide to both parties information on options for obtaining advocacy, medical and counseling services, and making criminal reports, and will assist with providing information on other resources. The Title IX Officer and Deputy Coordinators will coordinate with other campus officials to take appropriate interim actions such as no contact orders, academic accommodations, and rearrangement of housing, dining, and work assignments.

C. Police Reporting

In addition to required campus reporting, reports may also be made to the police, especially if a crime is or may be involved, by calling the following numbers:

Emergency 9-1-1
UNI Police, 30 Gilchrist Hall, 319.273.2712 (on-campus incidents)
Cedar Falls/Waterloo Police, 319.291.2515 (off-campus incidents)

D. Federal Timely Warning Obligations

Victims of sexual misconduct should be aware that University administrators must issue crime alerts for incidents reported to them that represent a serious or continuing threat to students or employees. The University will withhold a victim's name and other identifying information while providing enough information for community members to make safety decisions in light of the potential danger.

IV. Complaint Resolution Process

The University will respond to any alleged violation of this policy received by the Title IX Officer or Deputy Coordinators. This section outlines ways in which offenses can be reported by individuals choosing to pursue complaint options. Additional resource-related information can be found in Section VIII and at uni.edu/safety.

A. Confidentiality and Reporting of Offenses

The University of Northern Iowa will make every effort to safeguard the identities of individuals who seek help and/or report discrimination, harassment, and/or retaliation. While steps are taken to protect the privacy of victims, the University may need to investigate an incident and take action once an allegation is known, whether or not the reporting individual chooses to pursue a complaint.

When a report is made, personally identifiable information (name of victim, name of respondent, etc.) may be initially withheld in cases where the victim is hesitant to come forward. Subsequently, campus officials may need additional information. The University Title IX Officer or Deputy Coordinator will conduct an initial inquiry, looking for any sign of pattern, predation, violence, or threat. When such exists, institutional action may be required in an effort to ensure campus safety.

No employee should ever promise absolute confidentiality except those as described below in Section IV.A.2. Reports may be private, but not confidential, as described below in Section IV.A.3. Reports to police and/or Title IX officials do not obligate the complainant to file any criminal or university conduct charges.

The University will not pursue disciplinary action for improper use of alcohol or other drugs against an alleged victim of sexual misconduct or against another student who shares information as either a witness to or as a reporter of sexual misconduct as long as the report is made in good faith. See “Good Samaritan Provision,” Article III(4), Student Conduct Code.

Deliberately false and/or malicious accusations of discrimination, harassment, or retaliation, as opposed to complaints which, even if erroneous, are made in good faith, are just as serious an offense as discrimination, harassment, or retaliation and will be subject to appropriate disciplinary action.

Complaints and reports should be made as soon as possible after an incident. Information and resources are available through the UNI Safety page, uni.edu/safety. Options for filing a report include:

1. Anonymous and Third Party Reporting

The Title IX Officer and Deputy Coordinators accept anonymous and third-party reports of conduct alleged to violate this policy and will follow up on such reports. The individual making the report is encouraged to provide as much detailed information as possible to allow the Title IX Officer or Deputy Coordinators to investigate and respond as appropriate. The University may be limited in its ability to investigate an anonymous or third party report unless sufficient information is provided. (See uni.edu/safety to file a report or complaint.)

2. Confidential Reporting

If a reporting party would like the details of an incident to be kept confidential, the reporting party may speak with counselors, health service providers, victim services advocates, domestic violence resources, local or state assistance agencies, or members of the clergy who are permitted by law to maintain confidentiality (except in extreme cases of immediacy of threat or danger or abuse of a minor). These sources will submit anonymous statistical information for timely warning and Clery Act purposes. If a reporting party is unsure of a resource’s ability to maintain confidentiality, the reporting party is advised to ask them before talking to them. See uni.edu/safety for additional information on these resources.

UNI counselors for students and/or the Employee Assistance Program for employees are available to help free of charge and can be seen on an emergency basis.

3. Private Reporting

Reports to University employees who are not confidential resources listed above in Section IV.A.2 will be treated with the maximum possible privacy. If a reporting party is unsure of a resource’s ability to maintain privacy, the

reporting party is advised to ask them before talking to them. The resource will be able to explain the resource’s reporting obligations and help a reporting party make decisions about who is in the best position to help. If personally identifiable information is shared, it will be shared with as few people as possible under the circumstances and efforts will be made to protect privacy to the greatest extent reasonably possible.

4. Formal Reporting

Complainants are encouraged to speak to University officials, such as the Title IX Officer or Deputy Coordinators or UNI Police, to make formal reports. Complainants have the right, and can expect, to have complaints taken seriously by the University when formally reported and to have those incidents investigated and properly resolved through these procedures. Formal reporting still affords privacy to the reporter and only a small group of officials who need to know will be told. Information will be shared as necessary with investigator(s), witnesses, and the respondent. The number of people with this knowledge will be kept as low as reasonably possible to preserve a complainant’s rights and privacy.

5. Criminal Reporting

If someone is in immediate danger or is a victim of a crime, call 9-1-1. Some acts of discrimination and harassment may also be crimes, such as sexual assault or stalking. Allegations of criminal conduct should be reported to law enforcement even when it is not clear whether the conduct rises to the level of a crime. Regardless, law enforcement can assist with obtaining medical care, getting immediate law enforcement response and protection, connecting with victim advocate services and counseling support, initiating a criminal investigation as appropriate, and answering questions about the criminal process.

B. Informal Resolution Process

Informal resolution is an alternative to the formal complaint resolution process. The Title IX Officer will determine if informal resolution is appropriate, based on the willingness of the parties and the nature of the alleged conduct. Sanctions are generally not pursued as the result of an informal resolution process, though the parties may agree to appropriate remedies. The Title IX Officer will keep records of any resolution that is reached. The University reserves the right to cancel informal resolution if sufficient evidence suggests a formal investigation or other sanctions or remedies may be necessary and appropriate.

It is not necessary to pursue informal resolution first in order to make a formal complaint, and anyone participating in informal resolution can stop that process at any time and request to continue through the formal process.

Except in cases involving criminal activity and/or sexual assault, an employee or student alleging discrimination, harassment and/or retaliation against an employee under this policy is encouraged to discuss the allegation with the head of the department in which the alleged discrimination, harassment and/or retaliation occurred. The department head will then consult

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with the Office of Compliance and Equity Management to determine an appropriate course of action. If it is appropriate, an attempt to facilitate an informal resolution of the matter will be made. In the event that an informal resolution is not reached, is not appropriate, or is not pursued, the student or employee who is alleging the discrimination, harassment, or retaliation may consult with the Office of Compliance and Equity Management to initiate a formal investigation. If, at any time, the employee or student is not comfortable addressing the department head, the Office of Compliance and Equity Management may be contacted directly.

Note: If an allegation includes actions that involve criminal activity and/or sexual assault, reports will be coordinated by the Title IX Officer. Individuals are strongly encouraged to also file a report with UNI Police.

C. Formal Resolution Process

1. Filing a Complaint

Any individual who believes that this policy has been violated should contact the Title IX Officer or any Title IX Deputy Coordinator. The University website also includes a reporting form at uni.edu/safety which may serve to initiate a complaint.

a. Complaint Intake

Following receipt of notice or a complaint, the Title IX Officer or Deputy Coordinator will normally, within four business days, make an initial determination as to whether the information has merit to reasonably indicate there may have been a violation of University policy. If it appears a violation may have occurred, an investigation will begin. If the complaint does not appear to allege a policy violation or if conflict resolution is desired by the complainant and appears appropriate given the nature of the alleged behavior, then the complaint does not proceed to investigation. An investigation will be pursued if there is sufficient information to suggest a policy violation may exist, a pattern of misconduct, and/or a perceived threat of further harm to the community or any of its members.

b. Interim Action

The University will implement interim and/or protective actions upon notice of alleged discrimination, harassment, and/or retaliation and will take additional prompt remedial and/or disciplinary action with respect to any member of the community, guest, or visitor who has violated this policy.

Interim actions include but are not limited to: no contact orders, no trespass notices, providing counseling and/or medical services, academic support, living arrangement adjustments, providing a campus escort, academic or work schedule and assignment accommodations, safety planning, and referral to campus and community resources.

The University may suspend, on an interim basis, a student or student organization or place an employee on administrative leave pending the completion of the investigation and procedures. In cases in which an interim suspension or administrative leave is imposed, the student, employee, or student organization will be given the opportunity to meet with an appropriate administrator prior to such action being imposed, or as soon thereafter as reasonably possible, to show cause why the action should not be implemented. Violation of interim provisions will be grounds for disciplinary action.

During an interim suspension or administrative leave, a student or employee may be denied access to University housing and/or the University campus, facilities, or events, either entirely or with specific application. As determined by the appropriate administrative officer, this restriction includes classes and/or all other University activities or privileges for which the individual might otherwise be eligible. At the discretion of the appropriate administrative officer, alternative coursework options may be pursued to ensure as minimal an impact as possible on the respondent student. At the discretion of the appropriate administrative officer, alternative employment/work options may be pursued to ensure as minimal an impact as possible on the respondent employee.

2. Notice of Charges

Once an investigator has been assigned, written notice of the allegations will be provided to the parties involved. If the respondent is an employee, the written notice will be copied to the employee's department head/director, dean, vice president, and president.

3. Investigation

If a complainant wishes to pursue a formal complaint or if the University determines an investigation is necessary, the Title IX Officer will assign an investigator, usually within two business days of determining that a complaint should proceed. Investigations will be thorough and impartial and will entail interviews with relevant parties and witnesses, and obtaining available evidence. The University aims to complete investigations within 60 days, which can be extended as necessary for appropriate cause by the Title IX Officer with notice to the parties. Investigation may take longer when initial complaints fail to provide direct first-hand information. The University may undertake a short delay (usually 3-10 days, to allow evidence collection) when criminal charges are being investigated. University action will continue regardless of the status of civil or criminal charges involving the same incident.

a. Student Withdrawal While Charges Pending

Should a responding student decide to withdraw from the University and/or not participate in the investigation and/or hearing, the process will nonetheless proceed in the student's absence to a reasonable resolution and that student will not be

permitted to return to the University unless any and all sanctions have been satisfied. The Title IX Officer will continue to act to promptly and effectively remedy the effects of the conduct upon the victim and the community.

b. Employee Resignation While Charges Pending

Should a responding employee resign while charges are pending, the records of the Title IX Officer will reflect that status, as will University responses to any future inquiries regarding employment references for that individual. Should an employee decide to leave and not participate in the investigation and/or hearing, the process will nonetheless proceed in the employee’s absence to a reasonable resolution and that employee will not be permitted to return to the University unless any and all sanctions have been satisfied. The Title IX Officer will continue to act to promptly and effectively remedy the effects of the conduct upon the victim and the community.

4. Investigation Findings

a. For Students

Upon receipt of the investigative report, the Title IX Officer will forward it to the Dean of Students or designee for an appropriate hearing per Student Conduct Code procedures. Following the hearing, the decision of whether a policy violation has occurred will be determined by using a preponderance of the evidence standard. A finding of a policy violation by a preponderance of the evidence means that it is more likely than not that the policy violation occurred. If, following the hearing, the decision is that no policy violation has occurred the process will end. Regardless of the outcome, the complainant, the respondent, and the Title IX Officer will be notified of the finding in writing.

If, following a hearing, the student is found to have violated University policy, appropriate disciplinary sanctions will be determined after consultation with the Title IX Officer. The Dean of Students (or designee) will notify the respondent, the complainant, and the Title IX Officer in writing of the Dean of Students’ decision. This written decision must be issued within fifteen working days of the date of receipt of the investigative report from the Title IX Officer.

b. For Employees

Upon receipt of the investigative report, the Title IX Officer will determine if this policy has been violated by using a preponderance of the evidence standard. A finding of a policy violation by a preponderance of the evidence means that it is more likely than not that the policy violation occurred. If the Title IX Officer decides that no policy violation has occurred, then the process will end. Regardless of the outcome, the complainant and the respondent will be notified of the finding in writing. The respondent’s department head/

director, Dean, Vice President, and the President will also be notified of the finding.

In the event that the employee violated University policy, the Vice President of the respondent will determine appropriate disciplinary sanctions based on the recommendation from the Title IX Officer. Regardless of the outcome, the complainant, the respondent, and the Title IX Officer will be notified in writing of the outcome within fifteen working days of the date of the notice from the Title IX Officer. If the Vice President serves as a party or witness in the investigation, the Title IX Officer’s recommendation will be sent to the President for determination of disciplinary sanctions.

5. Sanctions

Sanctions will be recommended by the Title IX Officer and forwarded to the decision-making authority as noted above in Section IV.C.4. Factors considered when determining a sanction may include:

- The nature of, severity of, and circumstances surrounding the violation
- The respondent’s disciplinary history
- Previously founded complaints or allegations against the respondent involving similar conduct
- Any other information deemed relevant by the Title IX Officer
- The need to bring an end to the discrimination, harassment, and/or retaliation
- The need to prevent the future recurrence of discrimination, harassment, and/or retaliation
- The need to remedy the effects of the discrimination, harassment, and/or retaliation on the victim and the community

a. Student Sanctions

The following are sanctions that may be imposed upon students under this policy:

- *Warning:* A formal statement that the behavior was unacceptable and a warning that any further infraction of any University policy, procedure, or directive may result in more severe sanctions or responsive actions.
- *Probation:* A written reprimand for violation of the Student Conduct Code that provides for more severe disciplinary sanctions in the event that the student or organization is found in violation of any University policy, procedure, or directive within a specified period of time. Terms of the probation will be specified and may include denial of specified social privileges, exclusion from co-curricular activities, no contact orders, and/or other measures deemed appropriate.

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- *Deferred Suspension*: A serious and final warning that any violation of university policy could result in immediate separation of the student from the University for a specified period of time, after which the student is eligible to return. Conditions for readmission may be specified.
- *Suspension*: Termination of student status for a definite period of time and/or until specific criteria are met. This sanction will be noted as a Conduct Suspension on the student's official transcript. Conditions for readmission may be specified.
- *Expulsion*: Permanent termination of student status, revocation of rights to be on campus for any reason, and/or attend University-sponsored events. This sanction will be noted as a Conduct Expulsion on the student's official transcript.
- *Withholding Diploma*: The University may withhold a student's diploma for a specified period of time and/or deny a student participation in commencement activities if the student has a complaint pending or as a sanction if the student is found responsible for an alleged violation.
- *Revocation of Degree*: The University reserves the right to revoke a degree awarded from the University for fraud, misrepresentation, or other violation of University policies, procedures, or directives in obtaining the degree, or for other serious violations committed by a student prior to graduation.
- *Organizational Sanctions*: Deactivation, de-recognition, or loss of all privileges (including University registration), for a specified period of time or permanently.
- *Other Actions*: In addition to or in place of the above sanctions, the University may assign any other sanction(s) as deemed appropriate.

b. Employee Sanctions

Sanctions for an employee who has violated this policy may include, but are not limited to, verbal or written warning, required counseling, training, demotion, reassignment, suspension with or without pay, and termination.

6. Appeals

Appeals of the decision of the Dean of Students (for students) or the Vice President/President (for employees) may be filed by the complainant or the respondent or both. All requests for appeal considerations must be submitted in writing to the Title IX Officer within five business days of the date of the final written notice.

Appeals are limited to allegations of the following:

- A procedural error or omission occurred that significantly impacted the outcome.
- There is new evidence, unknown or unavailable during the investigation, that could substantially impact the finding or sanction. A summary of this new evidence and its potential impact upon the investigation must be included in the appeal.
- The sanctions imposed are substantially disproportionate to the severity of the violation.

The original finding and sanction/responsive actions will stand if the appeal is not timely or is not based on the grounds listed above, and such a finding and sanction/responsive action(s) are final. When a party requests an appeal, the other party (parties) will be notified and given an opportunity to respond.

For students: In cases involving student conduct, a person designated by the Vice President for Student Affairs will review the appeal request(s).

For employees: In cases involving employee conduct, a person designated by the President will review the appeal request(s).

Where the designee finds that at least one of the grounds is met, and proceeds with the appeal, additional principles governing the hearing of appeals include the following:

- The original decision will only be changed when there is a compelling justification to do so.
- Appeals are not intended to be full re-hearings of the complaint. Appeals are confined to a review of the written documentation or record of the original hearing and pertinent documentation regarding the grounds for appeal.
- Sanctions will not be imposed pending the outcome of the appeal. Interim and/or protective actions may be imposed and/or continued as appropriate.
- The designee will render a decision within ten business days to the Title IX Officer who will normally provide written notice of the appeal to all parties within two to three business days from the date of the appeal review.
- All parties should be informed of whether the grounds for an appeal are accepted and the results of the appeal decision.
- Once an appeal is decided, the outcome is final: further appeals are not permitted under this policy.

7. Failure to Complete Sanctions

All respondents are expected to comply with conduct sanctions within the time frame specified in their written notice. Failure to follow through on conduct sanctions by the date specified, whether by refusal, neglect, or any other reason, may result in additional sanctions and/or suspension, expulsion, and/or termination from the University. For students, failure to comply

may result in transcript notation and/or a hold to prevent future registration.

V. Remedial Actions

In addition to the interim actions outlined in Section IV.C.1.b, the Title IX Officer (or designee) may provide remedial actions intended to address the short or long-term effects of harassment, discrimination, and/or retaliation. That is, remedial actions may be taken at the conclusion of the process in addition to any actions that may have been taken on an interim basis, in order to redress harm to the complainant and the community and to prevent further harassment or violations. Remedial actions may also be used when, in the judgment of the Title IX Officer (or designee), the safety or well-being of any member(s) of the campus community may be jeopardized by the presence on campus of the respondent or the ongoing activity of a student organization whose behavior is in question.

These remedies may include referral to counseling and health services or to the Employee Assistance Program, education to the community, altering the housing situation of a respondent student or resident employee (or the alleged complainant, if desired), altering work arrangements, providing campus escorts, implementing contact limitations between the parties, or offering adjustments to academic deadlines and/or course schedules.

VI. Statement of Rights for Complainants and Respondents

Both complainants and respondents will be afforded the following rights under this policy:

- To be treated with respect by University officials
- To take advantage of campus support resources (such as Counseling Services and University Health Services for students, or EAP services for employees)
- To experience a safe educational and work environment
- To have an advisor (students) or representative (employees) during this process
- To refuse to have an allegation resolved through informal procedures
- To be free from retaliation
- To have complaints heard in substantial accordance with these procedures
- To reasonable and necessary participation in the process
- To be informed in writing of the outcome of the complaint and, where permissible, sanctions, and the rationale for the outcome

VII. Records

In implementing this policy, records of all complaints, resolutions, and hearings will be kept by the Title IX Officer indefinitely in the Office of Compliance and Equity Management.

VIII. Resources

A. University Title IX Officer and Deputy Coordinators

Contact information on the Title IX Officer and Deputies can be found above in Section III.A. and at www.uni.edu/equity/title-ix-reporting.

B. External Sources

A complainant may choose to file a complaint with the state and federal agencies listed below.

Office for Civil Rights (OCR) – Chicago Office

U.S. Department of Education
Citigroup Center
500 W. Madison Street, Suite 1475
Chicago, IL 60661
Phone: (312) 730-1560
Fax: (312) 730-1576 TDD: (877) 521-2172
Email: OCR.Chicago@ed.gov
Web: www.ed.gov/ocr

Equal Employment Opportunity Commission (EEOC)

Reuss Federal Plaza
310 W. Wisconsin Avenue, Suite 800
Milwaukee, WI 53203-2292
Phone: (800) 669-4000
Fax: (414) 297-4133
TTY: (800) 669-6820
Web: www.eeoc.gov/

Iowa Civil Rights Commission (ICRC)

Grimes State Office Building
400 E. 14th Street
Des Moines, IA 50319
Toll free: (800) 457-4416
Phone: (515) 281-4121
Fax: (515) 242-5840
TDD: (877) 521-2172
Web: <https://icrc.iowa.gov/>

C. Iowa State Law Definitions

1. Hazing

Under Iowa Code § 708.10, a person commits an act of hazing when the person intentionally or recklessly engages in any act or acts involving forced activity which endanger the physical health or safety of a student for the purpose of initiation or admission into, or affiliation with, any organization operating in connection with a school, college, or university. Prohibited acts include, but are not limited to, any brutality of a physical nature such as whipping, forced confinement, or any other forced activity which endangers the physical health or safety of the student. Under § 708.10, forced activity means any activity which is a condition of initiation or admission into, or affiliation with, an organization, regardless of a student's willingness to participate in the activity.

2. Stalking

Under Iowa Code § 708.11, a person commits stalking when all of the following occur: (a) The person purposefully engages in a course of conduct directed at a specific person that would cause a reasonable person to fear bodily injury to, or the death of, that specific person or a member of the specific person's immediate family. (b) The person has knowledge or should have knowledge that the specific person will be placed in reasonable fear of bodily injury to, or the death of, that specific person or a member

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of the specific person's immediate family by the course of conduct. (c) The person's course of conduct induces fear in the specific person of bodily injury to, or the death of, the specific person or a member of the specific person's immediate family.

3. Bullying

Harassment and bullying are defined in Iowa Code § 280.28 as any electronic, written, verbal, or physical act or conduct toward a student which is based on any actual or perceived trait or characteristic of the student and which creates an objectively hostile school environment that meets one or more of the following conditions: (1) Places the student in reasonable fear of harm to the student's person or property. (2) Has a substantially detrimental effect on the student's physical or mental health. (3) Has the effect of substantially interfering with a student's academic performance. (4) Has the effect of substantially interfering with the student's ability to participate in or benefit from the services, activities, or privileges provided by a school.

4. Domestic Violence and Dating Violence

Domestic violence and dating violence are covered by Iowa Code § 236.2, which defines "domestic abuse." Domestic abuse means committing assault as defined in section 708.1 (criminal assault) under any of the following circumstances:

- a. The assault is between family or household members who resided together at the time of the assault.
- b. The assault is between separated spouses or persons divorced from each other and not residing together at the time of the assault.
- c. The assault is between persons who are parents of the same minor child, regardless of whether they have been married or have lived together at any time.
- d. The assault is between persons who have been family or household members residing together within the past year and are not residing together at the time of the assault.
- e. (1) The assault is between persons who are in an intimate relationship or have been in an intimate relationship and have had contact within the past year of the assault. In determining whether persons are or have been in an intimate relationship, the court may consider the following nonexclusive list of factors: (a) The duration of the relationship. (b) The frequency of interaction. (c) Whether the relationship has been terminated. (d) The nature of the relationship, characterized by either party's expectation of sexual or romantic involvement.
(2) A person may be involved in an intimate relationship with more than one person at a time.

D. Other University Policies

3.02 Student Conduct Code

13.03 Equal Opportunity and Non-Discrimination Statement

13.19 Retaliation and Misconduct Reporting Policy

13.20 Duty to Report Child Abuse

13.15 Accommodations of Disabilities

E. Support Resources

uni.edu/safety

Violence Intervention Services

Revisions: These policies and procedures will be reviewed and updated regularly by the Title IX Officer. The Title IX Officer may make minor modifications to procedure that do not materially change the process. However, the Title IX Officer may also vary procedures materially with notice (on the University's policy website, with appropriate date of effect identified) upon determining that changes to law or regulation require policy or procedural alterations not reflected in this policy and procedure. Procedures in effect at the time of its implementation will apply. Policy in effect at the time of the offense will apply even if the policy is changed subsequently, unless the parties consent to be bound by the current policy or applicable law requires otherwise.

Office of Compliance and Equity Management; and Office of Dean of Students, approved December 23, 2013

President's Cabinet, approved May 12, 2014

President and Executive Management Team, approved June 6, 2014

Accommodations of Disabilities (13.15)

Purpose:

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

Policy Statement:

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

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

Employees: An employee with a disability who wishes to request an accommodation must contact his/her/their supervisor or Faculty and Staff Disability Services located in Human Resource Services. All University employees in a supervisory capacity are required to report to Faculty and Staff Disability Services any such request for accommodation received.

Events: Any individual (student, university employee or visitor) who plans to attend an event on campus and wishes to request an

accommodation should contact the venue hosting the event. Visitors may also contact Faculty and Staff Disability Services for assistance.

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

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

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

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

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

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

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

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

For additional information, visit www.uni.edu/disability or contact the Office of Compliance and Equity Management, 117 Gilchrist, University of Northern Iowa, Cedar Falls, IA 50614-0028, 319-273-2846, equity@uni.edu, www.uni.edu/equity.

*Office of Compliance and Equity Management, approved August 2013
President's Cabinet, approved December 19, 2013, to be effective
January 1, 2014*

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 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. 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 s(he) decides 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 s(he)

lives. 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 in the major department on a *Declaration of Curriculum* form and a new advisor is assigned. The form is filed with the Office of the Registrar.

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

UNI Grad Pact - Four-Year Graduation

The University of Northern Iowa, in response to a student body that is diverse in experiences, talents, expectations, and goals, has developed a "pact" that is designed to assist students in completing an undergraduate degree within four calendar years of their initial freshman enrollment. Students may follow many paths to graduation, with dozens of majors and concentrations offered through five undergraduate colleges. In addition, special programs can be tailored to the needs and interests students bring to the campus or discover once they are here. Students who wish to participate in the four-year graduation plan must average from 16 to 18 credits per semester (one quarter of the applicable credits for their major each year) and will need to make academic and personal choices that will result in graduation within four years.

UNI's four-year graduation plan is called UNI Grad Pact. Students who enroll as freshmen with well-defined interests, in "pact-approved" majors, and who want to complete their undergraduate study as expeditiously as possible, are assured of being able to enroll in courses allowing graduation in four calendar years. UNI Grad Pact is an agreement between the university and those students who choose to participate in the plan.

Students accept responsibility for monitoring their own progress toward degrees and for making choices that will allow them to graduate within four calendar years. The university is responsible for maintaining systems of advising so that students can track their progress, and agrees to provide the needed courses or their equivalents.

The university continues to encourage breadth and exploration as essential parts of a university education. UNI Grad Pact is designed to assure that students are carefully guided in their course choices while still benefiting from the rich educational opportunities offered by the university. Those students who conclude that UNI Grad Pact does not meet their academic and/or personal goals are encouraged to develop, in consultation with their academic advisor, a plan and timetable for completing the courses in their major that will allow them to achieve their individual academic, career, professional, and personal aspirations. Those students who do not participate in the plan will still benefit from descriptions of recommended patterns of progress toward degrees and enhanced advising services that will be available to all students.

General Conditions

1. Students must enter the university as freshmen with appropriate high school preparation to begin a four-year graduation plan.
2. Students must sign up for UNI Grad Pact and declare their interest in a major that qualifies for the four-year plan.
3. Students are responsible for meeting deadlines and requirements of the pact. Therefore, students must regularly monitor their progress toward graduation. Such monitoring includes meeting each semester, in a timely manner prior to registration, with their academic advisor.
4. For courses required by the major and for graduation, students must accept any available section that can be accommodated in their course schedule and must register at their assigned registration time.

5. Students must be admitted and remain in good academic standing to the colleges and departments which offer their major.
6. Students may change majors and remain in the program if, at the time the student decides to make the change, he or she can still meet the requirements of the new major and graduate within the four calendar years. Students may enroll in an additional major or in programs leading to additional licensing and certification, and remain in UNI Grad Pact, if they can complete these additional requirements and those of their first major within the four calendar years. Students must see their academic advisor in a timely manner in order to accomplish these changes or additions.
7. Students must accept responsibility for timely annual application for all necessary financial assistance.
8. Students must complete a minimum of one quarter of the applicable credits for their major each year (including summer sessions).
9. If, after working with their advisor, it appears that graduation may be delayed due to unavailability of a course, students must notify the Office of the Provost, Associate Provost for Academic Affairs, in writing prior to the beginning of classes in the term in which the course would be needed.

If the student meets all the conditions of the four-year plan but is unable to graduate due to the unavailability of a course, the university will offer one of the following:

1. Allow the student to graduate in four years by substituting a different course or an independent study assignment, as determined by the department and the college offering the student's major.
2. Allow the student to graduate in four years by waiving the requirement to be met by the unavailable course, as determined by the department and college offering the student's major.
3. Allow the unavailability of a course to delay the student from graduating in four years, in which case the university will waive UNI tuition and mandatory fees for this course in order for the student to graduate within the next year.

These procedures will be the exclusive remedy for the four-year plan (UNI Grad Pact) agreement. The university is under no obligation to provide one of these adjustments unless the student submits a written request for an accommodation to the Provost prior to the beginning of classes in the last term of the student's four-year plan.

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,

Undergraduate Information and Degree Requirements

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. Natural Science and Technology*

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 Program Coordinator. As an alternative to item c, 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 Program 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 Technology

A student shall complete at UNI all the requirements in the Liberal Arts Core (45 semester hours) and the requirements for the B.A. (Joint Program Option) in Biology and have a total of at least 90 semester hours at UNI. The professional courses transferred must bring the total hours to at least 120 semester hours. Credit is accepted only from professional schools which are fully accredited. Details of the B.A. (Joint Program Option) are available from the Biology Department.

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

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**

Suggested programs are available for those planning to complete programs in allied health, biomedical, chiropractic, dentistry, engineering, law, medical technology, medicine, mortuary science, nursing, optometry, pharmacy, physical therapy, physician

assistant, podiatry, theology, and veterinary medicine. These program guides may be requested from the Office of Admissions or visit the website www.uni.edu/advising/pre-professional-guidesheets.

2. Cooperative Programs

- a. The University of Northern Iowa offers prerequisite coursework for students planning to apply to other colleges for the Bachelor of Science in Nursing degree. Allen College has a cooperative agreement with UNI for students admitted into their nursing and radiography programs. Students may complete prerequisite coursework at UNI for Allen's Bachelor of Health Science programs in Diagnostic Medical Sonography, Nuclear Medicine Technology, and Clinical Laboratory Technology.
- b. Three-year Program in Medical Technology. The University of Northern Iowa cooperates with St. Luke's Hospital in Cedar Rapids and University of Iowa Medical School in Iowa City, to offer the first three years of work; St. Luke's Hospital in Cedar Rapids and University of Iowa Medical School in Iowa City offer the fourth year.
- c. Three-year Program in Cytotechnology. The University of Northern Iowa cooperates with Mayo School of Health-Related Sciences, Rochester, Minnesota; School of Cytotechnology, Wisconsin State Laboratory of Hygiene, Madison, Wisconsin; and Mercy School of Cytotechnology, Des Moines, Iowa. The first three years of work are done at UNI; during the fourth year, cytotechnology will be taken at one of the three cooperating schools.
- d. Three-year program in chiropractic medicine with Logan College of Chiropractic, Chesterfield, MO; Palmer College of Chiropractic, Davenport, IA. The first three years of work are done at UNI; during the fourth year, chiropractic classes will be taken at the cooperating school.
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.

4. Army Reserve Officers' Training Corps (ROTC)

a. 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, 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 b. 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 \$6,000 a year during the last two years of the program.

b. Accelerated Program

The accelerated program is 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 a six-week summer ROTC basic camp.

c. 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, plus up to \$6,000 a year subsistence allowance from the ROTC Advanced Course, and New G.I. Bill educational assistance benefits. Many ROTC SMP cadets also qualify for the Student Loan Repayment Program.

d. ROTC Scholarships

U.S. Army ROTC three- and four-year scholarships are available. They cover up to \$20,000 per year toward 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 \$6,000 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.

e. 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.

f. Additional Information

Undergraduate Information and Degree Requirements

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 319-273-6337. Please visit our website www.uni.edu/rotc.

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 45 hours) *	45
Major, minor, foreign language, electives	75
<hr/>	<hr/>
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
- Biochemistry
- Biology
- Biology: Ecology, Evolution and Organismal Biology Emphasis
- Biology: Biomedical Emphasis
- Chemistry
- Communication
- Communication/Electronic Media
- Communication/Public Relations
- Communication Disorders
- Computer Science
- Criminology
- Earth Science

- Economics
- English
- 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
- Political Communication
- Political Science
- Psychology
- Public Administration
- Real Estate
- Social Work
- Sociology
- Spanish
- Study of Religion
- Teaching English to Speakers of Other Languages (TESOL)
- Technology Management
- Textile and Apparel
- Theatre

Minors

- Accounting
- Anthropology
- Art
- Art History
- Biology

- Business Communication
- Chemistry
- Communication
- Communication/Journalism
- Communication/Public Relations
- Computer Science
- Criminology
- Earth Science
- Economics
- Educational Technology
- Electrical and Electronics Technology (EET)
- English
- Ethics
- Family Studies
- Finance
- General Business Concepts
- Geography
- 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
- Military Science
- Music
- Nanoscience and Nanotechnology
- Organizational Leadership
- Philosophy
- Physics
- Political Science
- Politics and Law
- Psychology
- Real Estate
- Real Estate-Business
- 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
- Women's and Gender Studies
- 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 45 hours) *	45
Professional Education Requirement	32
Major, minor, electives **	43-67
Total Hours	120-144

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

Liberal Arts Core (minimum 45 hours) *	45
Professional Education Requirement	33
Major requirements	51-57
Area of Specialization ***	12
Total Hours	141-147

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

Liberal Arts Core (minimum 45 hours) *	45
Professional Education Requirement	33
Major requirements	55-56
Total Hours	133-134

* 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 www.uni.edu/teachered.

All students must complete a criminal background check through the Office of Teacher Education (319-273-2265; www.uni.edu/teachered) 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 222; www.uni.edu/coe/about/centers-and-services/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 Instruction 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.
6. 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)**;
 7. 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);
 8. 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*;
 9. demonstrate Acceptable Dispositions (absence of any Notification of Concern)
 10. 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
159A Schindler Education Center (SEC)
UNI

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 159A or online at www.uni.edu/teached);
5. 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)**;

Undergraduate Information and Degree Requirements

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; www.uni.edu/teachered) 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 222; www.uni.edu/coe/about/centers-and-services/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
159A 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 a procedural error was made by the Senate 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 www.uni.edu/teachered/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).

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

- All Science
- Art Education
- Biology
- Business
- Chemistry
- Communication-Theatre
- Early Childhood Education
- Earth Science
- Elementary Education
- English
- History
- Mathematics
- Middle Level Education Dual
- Middle/Junior High School Science
- Music Education
- Physical Education
- Physics
- Social Science
- Spanish
- Teaching English to Speakers of Other Languages (TESOL)
- TESOL/Modern Language

Undergraduate Information and Degree Requirements

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
- History
- Instructional Strategist (for students declaring Summer 2014 and after)
- Instructional Strategist I: Mild/Moderate K-8 (for students declaring prior to Summer 2014)
- Instructional Strategist I: Mild/Moderate 5-12 (for students declaring prior to Summer 2014)
- Instructional Strategist II: Mental Disabilities K-12 (for students declaring prior to Summer 2014)
- Literacy Education
- Mathematics
- Mathematics (K-8)
- Physical Education-Elementary Teaching
- Social Studies (K-8)
- Spanish
- Spanish (K-8)
- Teacher of Students With Visual Impairments (TVIS)
- Teaching English to Speakers of Other Languages (TESOL)
- Technology Education

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	45
Major Requirements	78
General Electives	7
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 121-149 depending on the major chosen (refer to School of Music in this University Catalog for specific major requirements).

Liberal Arts Core	42
Music requirements (applied, theory, history and literature, conducting, ensembles, recital, composition, electives)	66-80
General electives/professional sequence *	0-36

The following majors are offered on this degree program:

Composition-Theory	79
Music Education (teaching) (66, 67, or 77 hours)	66-77
Performance (voice, piano, organ, band-orchestral instruments)	80

* Music Education majors must also complete the Professional Education Requirements. The minimum semester-hour requirements vary with the specialization chosen. The Music Education major carries licensure to teach in grades K-8 and 5-12.

The approval of the faculty, and the Associate Director of Undergraduate Music Programs of the School of Music must be secured before a student is admitted formally to this degree program. All students who have been admitted to the school and wish to pursue a music major curriculum must undertake a common core of required

courses during the freshman year. During the second semester of the freshman year, an extensive evaluation of each music major will be conducted. In addition to the entrance audition required of all students who intend to major in music, transfer students are required to take a placement exam in music theory or start with level 1 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)
- Geography: Geographic Information Science
- Manufacturing 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 100* 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.

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

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 insure 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.

Undergraduate Information and Degree Requirements

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 www.uni.edu/continuinged/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*:

Summary (minimum 45 hours*):

Category 1: Core Competencies *	12
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	45

* 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 12 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:

3

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	
Or two courses distributed as follows:		
COMM 2255 (48C:071)	Public Speaking	
or COMM 2256 (48C:011)	Oral Interpretation: Texts in Performance	
or COMM 2257 (48C:074)	Argumentation and Debate	
AND		
COMM 1205 (48C:031)	Group Communication Skills	
or COMM 2344 (48C:004)	Interpersonal 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. Personal Wellness		3
HPELS 1010 (440:010)	Personal Wellness	
Total Hours		12

- * 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.
- # For students admitted to UNI prior to Fall 1994, the Speech and Listening course included in the Communication Essentials category is not required.
- ## Students with Math ACT scored that are 26 or higher will be placed in MATH 1420 (800:060) or STAT 1772 (800:072) as follows:
Those with four years of college prep math with a grade of B or higher in the senior-level course will be placed in MATH 1420 (800:060).
Those not satisfying these criteria will be placed in STAT 1772 (800:072).

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	

Undergraduate Information and Degree Requirements

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 Survey of Dance History (420:034)

THEATRE 1002 The Theatrical Arts and Society (490:002)

MUSIC 1100 Soundscapes: Music in Culture (520:010)

ART 1002 (600:002) Visual Inventions

ARTHIST 1004 Visual Perceptions (600:004)

MUS HIST 1020 (590:002) may substitute for the Fine Arts requirement for all music majors.

B. Literature, Philosophy, or Religion 3

ENGLISH 1120 Literature: (topic) (620:031)

RELS 1020 Religions of the World (640:024)

PHIL 1020 Philosophy: The Art of Thinking (650:021)

FREN 1120 Introduction to Francophone Literature in Translation (720:031)

GER 1120 (740:031) Introduction to German Literature in Translation

SLAV 1120 Introduction to Russian Literature in Translation (770:031)

PORT 1031 Introduction to Portuguese and Hispanic Literatures in Translation (790:031)

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 of Natural 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 Human Origins (990:010)

BIOL 1012 Life: The Natural World (840:012)

BIOL 1013 Life: The Natural World - Lab* (840:013)

BIOL 1014 Life: Continuity and Change (840:014)

BIOL 1015 Life: Continuity and Change - Lab* (840:015)

BIOL 1033 Principles of Microbiology* (840:033)

BIOL 2051 General Biology: Organismal Diversity* (840:051)

BIOL 2052 General Biology: Cell Structure and Function* (840:052)

BIOL 3101 Anatomy and Physiology I* (840:101)

SCI ED 1200 Inquiry into Life Science* (820:032)

B. Physical Sciences 3

Select one of the following:

CHEM 1010 Principles of Chemistry* (860:010)

CHEM 1011 Molecules and Life* (860:011)

CHEM 1020 Chemical Technology* (860:020)

CHEM 1110 General Chemistry I* (860:044)

CHEM 1130 General Chemistry I-II* (860:070)

EARTHSCI 1100 Astronomy** (870:010)

EARTHSCI 1110 Astronomy Laboratory* (870:011)

EARTHSCI 1200 Elements of Weather (870:021)

EARTHSCI 1210 Elements of Weather Laboratory* (870:022)

EARTHSCI 1300 Introduction to Geology* (870:031)

EARTHSCI 3328 Fossils and Evolution (870:125)

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 *
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 *
TECH 1015	Introduction to Sustainability
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)	Culture, Nature, and Society
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
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.

Undergraduate Information and Degree Requirements

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

- 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

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

School of Health, Physical Education, and Leisure Services

- Aquatics Specialization Certificate
- Certificate in Global Health and Health Disparities
- Environmental Health Certificate
- Nonprofit Management Certificate
- Outdoor Recreation Certificate
- School-Age Care Leadership Certificate
- Tourism Certificate

Department of History

- Certificate in Public History

Department of Languages and Literatures

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

Department of Marketing

- Certificate in Entrepreneurship
- Certificate in Financial and Real Estate Sales for Business Majors

School of Music

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

Department of Political Science

- Certificate in International Peace and Security
- Certificate in State and Local Government

Department of Psychology

- Industrial and Organizational Psychology Certificate

Department of Social Work

- Child Welfare 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 Technology

- Advanced Technology Certificate
- Technology Management Certificate

College of Business Administration

- 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

College of Social and Behavioral Sciences

- Conflict Resolution Certificate

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.

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.

Undergraduate Information and Degree Requirements

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 all the requirements for the second degree, including at least 36 weeks in residence and earning not less than 32 hours of credit.

For example: Student has 20 specified hours of coursework to meet 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 at least 36 weeks in residence and earning not less than 32 hours of credit beyond the hours required for the degree **the student chooses to declare as the first degree.**

For example:

The Bachelor of Liberal Arts degree requires minimum of 120 hours and the Bachelor of Science degree requires minimum 126 hours to graduate.

If declared first degree Bachelor of Liberal Arts/second degree Bachelor of Science, requires minimum 152 hours to graduate with these concurrent degrees (120 hours + 32 hours).

If declared first degree Bachelor of Science/second degree Bachelor of Liberal Arts, requires minimum 158 hours to graduate with these concurrent degrees (126 hours + 32 hours).

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 twelve advanced programs leading to graduate degrees in:

- Master of Accounting
- Master of Arts
- Master of Arts in Education
- 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 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.)** in 1991, the **Master of Science (M.S.)** in 1993, the **Master of Social Work (M.S.W.)** and the **Master of Accounting (MAcc)** in Fall 2000, and the **Professional Science Master's (P.S.M.)** in Fall 2006 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 **Doctor of Technology** began as 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 in 2012. 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 certificate and expects to be recommended by

this university for an original certificate must also file an official transcript, 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. A Graduate Credit Transfer Evaluation form is also required for each course the student wishes to submit for transfer unless the course is on a transcript from University of Iowa or Iowa State University - this form can be found at <https://access.uni.edu/forms/index.shtml#G>. 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.*

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**

Graduate Information, Admission, Academic Regulations, and Degree Requirements

(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), 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 to:

Office of Admissions-U.S. Graduate Admissions
002 Gilchrist Hall
University of Northern Iowa
Cedar Falls, IA 50614-0018, U.S.A.

Application materials, except transcripts and test scores, may also be emailed to admissionsprocessing@uni.edu.

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 (see also www.uni.edu/intladm/graduate/majors), but international students should submit their materials to:

Office of Admissions-International Graduate Admissions
002 Gilchrist Hall
University of Northern Iowa
Cedar Falls, IA 50614-0018, U.S.A.

Application materials, except transcripts and test scores, may also be emailed to admissionsprocessing@uni.edu.

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. Such registration requires approval on a student request form (available at access.uni.edu/forms/#S 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 (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 Student Financial Aid

Qualified degree-seeking students may secure loans from either Perkins or William D. Ford Federal Direct Loan. 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).

A limited number of opportunities for part-time employment are available on the campus for students attending University of Northern Iowa at least half-time. On-campus positions pay a minimum of \$7.25 per hour.

Graduate students who wish further information about financial assistance may contact the Office of Student Financial Aid, University

of Northern Iowa, Cedar Falls, IA 50614-0024. Refer to this University Catalog for further details.

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 will not exceed 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 may also receive other forms of university-based financial aid, tuition awards, fellowships or scholarships, as long as the latter do not require services performed by the student, i.e., where such could be considered wages. 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.

To be eligible for an assistantship, graduate students must be admitted to a graduate degree program and must have a minimum 3.00 undergraduate GPA or a minimum 3.00 graduate GPA on at least 8 credits. 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 an assistantship must be enrolled full-time (9+ graduate hours). 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 Scholarships

A limited number of Graduate College tuition scholarships are awarded through the Graduate College upon recommendation of the department head. To be eligible, graduate students must be admitted to a graduate degree program and must have a minimum 3.00 undergraduate GPA or a minimum graduate GPA of 3.00 on at least 8 credits. 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). Full or half tuition scholarships are available.

The scholarship application form may be obtained on the Graduate College website at <http://www.grad.uni.edu/assistantships>.

Applications should be emailed by February 1 to the department of interest.

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 Stds)" 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 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 200/6000-level course requirement (or 200/6000- 300/7000-level requirement for doctoral degrees). 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 satisfy criteria established by the Graduate Council. The**

Office of Admissions is the sole determiner of whether a course meets these criteria.

- a. Course must be a regular graduate course with a graduate course number (not professional development or college credit through an Educational Agency or conference).
- b. Course must be taken by the student in graduate status, and the official transcript must show a grade of B- or better earned.
- c. Course must be applicable as a graduate requirement at the institution where it is taken.
- d. Course must be taught by regular graduate faculty.
- e. Course must meet the UNI seven-year recency requirement (ten-year for the Ed.D.).

The Graduate Transfer Evaluation Form (available on MyUNIverse at <https://access.uni.edu/forms/index.shtml#G>) and the official transcript are used by the Office of Admissions to evaluate a course's eligibility for graduate transfer credit. The Office of Admissions informs the department of the result of the evaluation. After a completed course has been ruled eligible by the Office of Admissions, 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.

A Graduate Transfer Evaluation Form must be completed for each course a student wishes to transfer, including courses taken prior to admission to the graduate program, unless the course is on a transcript from Iowa State University or the University of Iowa. Students considering taking a course at another institution to use on the UNI degree should complete the Graduate Transfer Evaluation Form and receive the result 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 a Graduate Transfer Evaluation Form is completed and returned to UNI from the other institution and official transcripts for these courses are filed with the Office of Admissions.

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

Graduate Information, Admission, Academic Regulations, and Degree Requirements

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 8 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. 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 nine (9) to seventeen (17) 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 (GPA of 3.00), the student is reviewed for suspension from graduate degree programs. A student who has attempted eighteen (18) or more semester hours on the advisement report and attained a Plan GPA less than 3.00 will be suspended. It is not required that such a student receive a semester of probation first. 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 year of academic suspension. It may be permitted for the student to register in undergraduate courses during the year of suspension.

Reinstatement

When a student is suspended, at least one calendar year must elapse before application for readmission to a graduate degree program may be made. After one full calendar year 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 permanently suspended 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

0-3 credits taken (any GPA) - no action

4-6 credits taken - GPA 2.50-2.99 - Probation; GPA less than 2.50 - Suspension

7-8 credits taken - GPA 2.90 – 2.99 - Probation; GPA less than 2.90 - Suspension

9 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 calendar year. Non-degree students who have been placed on academic suspension cannot enroll in graduate courses during the time they are suspended. After one full calendar year, 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).

Nonacademic Probation and Dismissal

Departmental Nonacademic Probation and Dismissal Policy Procedures*

* 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 and 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.

Subsequent changes in policies/standards must be communicated by the department to each student in the program 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 Nonacademic Probation

If a student is failing to meet departmental nonacademic standards and probation or suspension is being considered, the department must:

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 school 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 Graduate College or designee and the Registrar in writing and indicate the impact of the student's nonacademic probationary status on the pursuit of future graduate course work in the program of study. The Dean of the Graduate College or designee and the Registrar should be notified when the student has been removed from probation.

II. Departmental 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. If a student is dismissed from a graduate program, the department must:

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 Graduate College or designee and the Registrar in writing and indicate the impact of the student's nonacademic dismissal on the pursuit of graduate course work in the program of study. The 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 nonacademic probation and dismissal must be approved by the Graduate Dean and offered a fair and expeditious review.

III. Graduate College Review of Departmental Dismissal

Questions involving judgment of performance will not be reviewed beyond the departmental level. If, however, the student feels there has

been unfairness or some procedural irregularity concerning probation or dismissal, the student may request a review by the Graduate College. This review may be conducted by the Dean of the Graduate College or designee.

Master's Degree Programs Graduation Requirements

Thesis Plan

1. The number of hours of graduate credit required varies with the major, but no fewer than **30 semester hours of graduate credit is required for all majors**. For the Master of Arts (M.A.) thesis plan, the Master of Arts in Education (M.A.E.) thesis plan, and the Master of Music (M.M.) thesis/recital plan, a minimum of 24 semester hours must be in course work other than xxx: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

Course List

EDPSYCH 6214 (200:214) or SOCFOUND 4234/5234	Foundations of Instructional Psychology Philosophy of Education	3
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.

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.

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.

Non-Thesis Plan

1. The number of hours of graduate credit required varies with the major, but no fewer than **30 semester hours of graduate credit is required for all majors.** For the Master of Accounting (MAcc), the Master of Arts (M.A.) non-thesis plan, the Master of Arts in Education (M.A.E.) non-thesis plan, the Master of Business Administration (M.B.A.), the Master of Music (M.M.) non-thesis/half recital plan, the Master of Public Policy (M.P.P.), the Master of Science (M.S.) non-thesis plan, the Master of Social Work (M.S.W.), and the Professional Science Master's (P.S.M.), a minimum of 27 semester hours must be in course work other than xxx: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 research paper or project with a substantial written report or internship with a substantial written report, as required by the student's graduate program. This document must be 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

Course List

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

Other Degrees: See Degree Requirements.

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.

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.

8. Application for graduation

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.

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 six 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 of \$25 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

Graduate Information, Admission, Academic Regulations, and Degree Requirements

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 (School of Health, Physical Education and Leisure Services)
- History (Department of History)
- Instructional Technology (Department of Curriculum and Instruction)
- Leisure Youth and Human Services (School of Health, Physical Education and Leisure 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 (School of Health, Physical Education and Leisure Services)
- 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 (Department of Languages and Literatures)
- Speech-Language Pathology (Department of Communication Sciences and Disorders)
- 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. 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
- Teacher of Students with Visual Impairments

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.

Graduate Information, Admission, Academic Regulations, and Degree Requirements

The following majors are offered:

- Composition
- Conducting
- Jazz Pedagogy
- Music Education
- Music History
- Performance
- Piano Performance and Pedagogy

Applicants for a graduate degree program in the School of Music should possess the baccalaureate degree in music or a demonstrated equivalent. Students should have attained a high degree of proficiency in one or more of the following areas:

- performance
- theory-composition
- conducting
- music education
- music history

Students who plan to receive the degree Master of Music (M.M.) must meet the common regulations and requirements for all graduate programs, as well as the specific regulations and requirements for the master's program as described in this University Catalog and the specific major requirements.

Refer to School of Music in this University Catalog for specific admission and major program requirements (website www.uni.edu/catalog/collegeofhumanitiesartsandsciences/schoolofmusic)

Master of Public Policy

Students interested in the Master of Public Policy degree must submit a completed Application for Admission to Graduate Study and should refer to their MyUNiverse Student Center To-Do list or contact the Department of Political Science for other application requirements. Graduate information and application for graduate admission can be found at 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:

- Athletic Training (School of Health, Physical Education, and Leisure Services)
- 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 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 six 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 \$25 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.

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.

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 the Leisure, Youth and Human Services Division, the Health Promotion and Education Division, or the Athletic Training Division in the School of Health, Physical Education, and Leisure 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 access.uni.edu/forms/index.shtml#G. 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.

6 hours of INTDEPED 7399 (190:399) (p. 90) 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.

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

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

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/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: 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 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 Information, Admission, Academic Regulations, and Degree Requirements

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 Foundations of Inquiry (190:303)

INTDEPED 7318 Evidence-Based Practices, Assessment, Accountability, and Program Evaluation

INTDEPED 7320 Leadership in Formal and Informal Learning Environments (OR EDLEAD 7311 or EDLEAD 6245 if taken for an Advanced Studies Certificate in Educational Leadership)

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 7389 (190:389) Doctoral Seminar

Research Methods 9

INTDEPED 7314 Inquiry I

INTDEPED 7316 Inquiry II

Advanced Methods Course:

Choose one or more of the following 3-credit-hour courses:

MEASRES 6270 (250:270) Educational Program Evaluation

MEASRES 7300 (250:300) Descriptive Educational Research

MEASRES 7301 (250:301) Advanced Experimental Research in Education

MEASRES 7310 (250:310) Advanced Qualitative Methods in Educational Research

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 Applied Health, Recreation and Community Services Core:

HPELS 7410 (430:310) Critical Theories and Practices I 3

HPELS 7412 (430:312) Critical theories and Practices II 3

HPELS 7329 (430:329) Research and Evaluation Seminar (6 credits, 1 hour each semester, required) 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 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 Curriculum Theory and Development (210:352)

ELEMECML 7354 Curriculum Implementation and Evaluation (210:354)

Curriculum and Instruction Seminar: 3-12

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

Curriculum and Instruction Practicum: 1-4

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

Instructional Technology: 3

INSTTECH 7340 Designing Instructional Systems (240:340)

or INSTTECH 6240 Understanding Instructional Design (240:240)

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 Dissertation Research (190:399)

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

POSTSEC 7389 Seminar in Postsecondary Education (170:389)

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

POSTSEC 7397 Practicum: Postsecondary Education (170:397)

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

or EDLEAD 6290 Practicum in Principalship (270:290)

or POSTSEC 7391 Internship in Postsecondary Education (170:391)

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

or EDLEAD 6291 Internship (270:291)

Electives chosen from the following: 21

EDLEAD 6206 Orientation to ISSL and Educational Leadership (270:206)

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

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

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

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

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

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

EDLEAD 6290 Practicum in Principalship (270:290)

EDLEAD 6291 Internship (270:291)

EDLEAD 6292 Capstone ISSL (270:292)

EDLEAD 7310 Human Resource Administration (270:310)

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

EDLEAD 7318 Evaluation of Administrators (270:318)

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

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

EDLEAD 7346 School Business Management (270:346)

EDLEAD 7354 Collective Bargaining in the Public Sector (270:354)

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

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

EDLEAD 7391 Internship in Educational Leadership (270:391)

EDLEAD 7397 Practicum in Educational Leadership (270:397)

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

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 Technology Degree

Students interested in the Doctor of 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 Technology (D.T.) degree is designed to develop scholars in the fields of education and industry. The University of Northern Iowa offers the D.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.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 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 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 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 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 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.
- f. 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.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.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.

Graduate Information, Admission, Academic Regulations, and Degree Requirements

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.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.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 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.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 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. xxxx 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 Technology degree:

a. D.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.T. internship and the D.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 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/thesis-dissertation-manual. 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

See www.grad.uni.edu/important-dates for the final submission deadline each term. In addition to the printed copy of the thesis of 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 and 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 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: Illegible 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 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 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 - 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.*

8. Attendance at commencement

The candidate for the Doctor of 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

Graduate Information, Admission, Academic Regulations, and Degree Requirements

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
- **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
- **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/Electronic 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/Journalism (Liberal Arts)
 - 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**
 - Instructional Technology Facilitator
 - Advanced Studies Certificate: Literacy Coach
 - Advanced Studies Certificate: Reading Recovery Teacher Leader

Department of Earth Science

- **Undergraduate Majors (B.A.)**
 - Earth Science
 - Earth Science-Teaching
 - Environmental Science
- **Minors**
 - Earth Science
 - Earth Science-Teaching

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
- **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.)**
 - 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

School of Health, Physical Education, and Leisure Services

- **Division of Athletic Training**
 - **Undergraduate Major (B.A.)**
 - Athletic Training
 - **Graduate Major (M.S.)**
 - Athletic Training
- **Division of 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 Health Disparities

• *Division of Physical Education*

- **Undergraduate Majors (B.A.)**
 - Movement and Exercise Science
 - Physical Education-Teaching
- **Minors**
 - Coaching
 - Physical Education-Elementary Teaching (also listed in Department of Curriculum and Instruction)
- **Graduate Major (M.A.)**
 - Physical Education

• *Division of 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
 - 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
- **Graduate Major (M.A.)**
 - History
- **Program Certificate**
 - Public History

List of Programs by Department

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)
 - 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
 - Women's and Gender Studies Minor
- **Graduate Majors (M.A.)**
 - Philanthropy and Nonprofit Development
 - Women's and Gender Studies
- **Graduate Major (M.B.A.)**
 - Master of Business Administration
- **Graduate Majors (M.P.P.)**
 - Master of Public Policy
 - Accelerated Master of Public Policy
- **Program Certificates**
 - International Business, Culture, and Language
 - Leadership Foundations
 - Conflict Resolution
 - Graduate Certificate in Women's and Gender Studies
 - Sustainability

Iowa Lakeside Lab

Regents Alternative Pathway to Iowa Licensure (RAPIL) - Answering the Call to Teach

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 and Portuguese Studies
 - Hispanic Cultures
 - International Commerce
 - Portuguese Studies
 - Post-Colonial and Multicultural Literary Studies
 - Russian Language Studies
 - Spanish Language Studies
 - Spanish for Special Purposes
 - Teaching English to Speakers of Other Languages
 - Translation: Spanish

Department of Management

- **Undergraduate Majors (B.A.)**
 - Management
 - Management Information Systems
 - 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

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-Teaching
- **Minors**
 - Nanoscience and Nanotechnology
 - Physics

Department of Political Science

- **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
- **Program Certificates**
 - International Peace and Security
 - State and Local Government

Department of Psychology

- **Undergraduate Major (B.A.)**
 - Psychology
- **Minor**
 - Psychology
- **Graduate Major (M.A.)**
 - Psychology
- **Program Certificate**

List of Programs by Department

- Industrial and Organizational Psychology

Science Education

- **Undergraduate Majors (B.A.)**
 - All Science Teaching
 - Middle/Junior High School Science Teaching
- **Minor**
 - Basic Science (K-8)-Teaching (also listed in Department of Curriculum and Instruction)
- **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
 - Social Work
 - Substance Abuse Counseling Certificate

Department of Sociology, Anthropology, and Criminology

- **Undergraduate Majors (B.A.)**
 - Anthropology
 - Criminology
 - Sociology
- **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
 - Instructional Strategist I: Mild/Moderate K-8 Emphasis (also listed in Department of Curriculum and Instruction)
 - Instructional Strategist I: Mild/Moderate 5-12 Emphasis
 - Instructional Strategist II: Mental Disabilities K-12 Emphasis
 - Teacher of Students With Visual Impairments (TVIS)
- **Graduate Majors (M.A.E.)**
 - Special Education
 - Teacher of Students With Visual Impairments

Department of Teaching

The Department of Teaching is responsible for the administration of multi-faceted programs of the Office of Student Field Experiences (OSFE).

Department of Technology

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

List of Programs by Department

Finance:		
FIN 3130/5130 (160:151g)	Corporation Finance	3
Economics:		
ECON 1011 (920:070)	Business Statistics *	3
ECON 1021 (920:020)	Introduction to Decision Techniques *	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 4032/5032 (120:141g)	Advanced Cost 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

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) or MGMT 6249 (150:249)	Advanced Accounting Systems Management Information Systems Concepts	3
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 6032 (120:263)	Cost Management	
ACCT 6052 (120:242)	Advanced Tax Topics	
ACCT 6060 (120:240)	Advanced Auditing	
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
Communications:	
MGMT 3914/5914 (150:114g)	Communication Management
Ethics:	
MGMT 3974/5974 (150:174g)	Business, Ethics, and Society
International Business:	
MKTG 3176/5176 (130:177g)	Global Marketing
FIN 3032/5032 (160:158g)	International Financial Management
ECON 3245/5245 (920:136g)	International Economics
ECON 3261/5261 (920:175g)	International Financial Economics
Other electives:	
ECON 3221/5221 (920:117g)	Public Finance
ECON 3229/5229 (920:125g)	Cost-Benefit Analysis
ECON 3253/5253 (920:148g)	Urban and Regional Economics
POL AMER 4153/5153 (942:153g)	Public Organizations
POL AMER 4173/5173 (942:173g)	The Public Policy Process
HIST 6020 (960:225)	History and U.S. Public Policy
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

List of Programs by Department

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

- 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:	21
FAM SERV 1010 (31F:010)	Human Identity and Relationships
FAM SERV 1020 (31F:020)	Family Relationships
FAM SERV 1030 (31F:030)	Research Methods in Family Science
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 *
or another developmental course such as PSYCH 2202 (400:120)	
FAM SERV 1057 (31F:057)	Human Relationships and Sexuality

FAM SERV 2060 (31F:060)	Strategies and Issues in Family Services
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FAM SERV 4178 (31F:178)	Family Life Education
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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)	The American Consumer
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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 Differences
PSYCH 3204/5204 (400:173g)	Psychology of Aging
PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective
Health Promotion and Education:	
HPE 4247/5247 (410:147g)	Minority Health
FAM SERV 1140	Culture and Marriage
SPED 3150 (220:150)	Meeting the Needs of Diverse Learners in Classrooms
Social Work:	
SW 2045 (450:045)	American Racial and Ethnic Minorities
SW 4142/5142 (450:142g)	Working With Racial and Ethnic Minorities
SW 4163/5163 (450:163g)	Diversity and Difference
Sociology:	
SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice
SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective
Senior Experience (choose Option A or B)	9
Option A:	
FAM SERV 4195 (31F:195)	Internship in Family Services **
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 9

Select three of the following gerontology core courses:

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: *	
HPE 4125/5125 (410:125g)	Aging and Health
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 4153/5153 (31F:153g)	Family Relationships in Crisis

List of Programs by Department

FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy	
GERO 3161/5161 or FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias 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 or FAM SERV 2111	Families and End of Life Issues Families and End of Life Issues	
World Religions/Philosophy:		
RELS/PHIL 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics	
PHIL 2500	Ethics	
RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying	
Communication Studies		
COMM 4236 (48C:128)	Ethics in Communication	
Gerontology elective courses:		9
Choose three of the following Gerontology courses:		
Social Work:		
SW 4173/5173 (450:173g)	Social Services for Older Adults	
Sociology:		
SOC 3065/5065 (980:118g)	Health, Illness, and Dying	
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 and Application	
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 3161/5161 or FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias Families, Alzheimer's and Related Dementias	
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		34-35

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

** Due to prerequisites, the total number of credit hours required to complete this major may be 40-41.

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	
Health Promotion and Education:		
HPE 4125/5125 (410:125g)	Aging and Health	
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	3
Social Work:		
SW 4172/5172 (450:172g)	Human Services Administration	
SW 4173/5173 (450:173g)	Social Services for Older Adults	
Health Promotion and Education:		
HPE 1101 (410:005)	Introduction to Public Health	
HPE 4164/5164 (410:164g)	Health Care and the Consumer	
HPE 4353/5353 (410:153g)	Public Health Theory and Application	
HPE 4186/5186 Guided Independent Study course "Medical Terminology for the Medical Professions, 2 hrs.		
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		

^^ 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 1061 (31I:061)	Design Foundations	3
INTDSGN 1063 (31I:063)	Drafting I	3
INTDSGN 1067 (31I:067)	History of Interiors I	3
INTDSGN 2024 (31I:066)	Design I	4
INTDSGN 2063 (31I:064)	Drafting II	3
INTDSGN 2067 (31I:068)	History of Interiors II	3
INTDSGN 2125 (31I:125)	Design II	4
INTDSGN 3065 (31I:075)	Computer Applications for Interior Design	3
INTDSGN 3126 (31I:126)	Design III	4
INTDSGN 3127 (31I:127)	Design IV	4
INTDSGN 3128 (31I:128)	Design V	4
INTDSGN 3129 (31I:129)	Interior Design Standards	2
INTDSGN 3164 (31I:164)	Professional Practice of Interior Design	2
INTDSGN 3165	Professional Preparation in Interior Design	1
INTDSGN 4184/5184 (31I:184g)	Topics in Interior Design	2
INTDSGN 4195 (31I:195)	Internship in Interior Design	4
TEXDSGN 1002 (31T:013)	Textile Science	3

List of Programs by Department

Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
Economics:		
ECON 1031 (920:024)	Introduction to Economics	3
Select one of the following:		
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	
Marketing:		
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 3143 (130:150)	Advertising and Promotion	
MKTG 3153 (130:153)	Personal Selling	
MKTG 3156 (130:178)	Services Marketing	
MKTG 3166 (130:166)	Retail Management	
Management:		
MGMT 3153 (150:153)	Organizational Management	
Total Hours		64

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.

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:		
TEXDSGN 1017 (31T:015)	Multicultural Aspects of Apparel Design	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:		
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	12
FAM SERV 1030 (31F:030)	Research Methods in Family Science	
Or 3 hours of social science research methods such as:		
PSYCH 3002 (400:101)	Research Methods	
SW 3185 (450:185)	Social Work Research	

List of Programs by Department

COMM COR 2020 (48C:080)	Communication Research Methods	
COMM 4021/5021 (48C:180g) or SOC 2010 (980:108)	Quantitative Research Methods Research Methods	
FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120)	Human Growth and Development Developmental Psychology	
FAM SERV 1057 (31F:057)	Human Relationships and Sexuality	
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 3162/5162 (31F:162g)	Issues in Family Policy	
FAM SERV 3175/5175	Family Financial Counseling and Literacy	
FAM SERV 3176/5176 (31F:177g)	The American Consumer	
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	
Total Hours		21

Gerontology Minor

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:		
HPE 4125/5125 (410:125g)	Aging and Health	
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 *	
FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis *	
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 (48C:138g)	Health Communication	
Health Promotion and Education:		
GERO 2111	Families and End of Life Issues	
or FAM SERV 2111	Families and End of Life Issues	
HPE 4353/5353 (410:153g)	Public Health Theory and Application *	
School of Applied Human Sciences:		
INTDSGN 3129 (31I:129)	Interior Design Standards	
Social Work:		
SW 4173/5173 (450:173g)	Social Services for Older Adults *	
Sociology:		
SOC 3065/5065 (980:118g)	Health, Illness, and Dying *	
Anthropology:		

List of Programs by Department

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 *
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Total Hours	18

* These courses have additional prerequisites as follows:
 FAM SERV 3150/5150 (31F:150g) has prerequisites of
 FAM SERV 1020 (31F:020); *EDPSYCH 2030 (200:030)*
 or FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120);
 junior standing.
 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.
 HPE 4125/5125 (410:125g), RELS 3510 (640:173)/PHIL
 3510 (650:173)/CAP 3173 (CAP:173), RELS 3110
 (640:194)/PHIL 3110 (650:194)/CAP 3194 (CAP:194)
 have a prerequisite of 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 2077 (31F:077) has prerequisite of sophomore
 standing.
 FAM SERV 4153/5153 (31F:153g) has prerequisite
 of FAM SERV 1020 (31F:020); 3 hours social science
 research methods; junior standing.
 FAM SERV 3162/5162 (31F:162g) has prerequisite of
 FAM SERV 1020 (31F:020); junior standing.
 COMM 4116/5116 (48C:138g) and HPE 4353/5353
 (410:153g) have prerequisite of junior standing.
 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.
 SOC 3065/5065 (980:118g) has a prerequisite of SOC 1000
 (980:001) and junior standing.
 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 1017 (31T:015)	Multicultural Aspects of Apparel Design	
TEXDSGN 2004 (31T:116)	History of Costume	
TEXDSGN 2005 (31T:121)	Fashion Promotion	
TEXDSGN 2006 (31T:011)	Computer Textile and Apparel Design Foundations	
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	
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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**. The **thesis option** requires an additional 6 hours of COUN 6299 (290:299) 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
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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
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Electives: 6

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
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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	3

Educational Psychology:

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
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Electives: 3

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

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/artdept

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

List of Programs by Department

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) or ART 1333 (600:027)	Two-Dimensional Concepts 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		12

Bachelor of Fine Arts Degree Program

A B.F.A. portfolio admission review is required of all students seeking admission to the B.F.A. degree program. To qualify for the review students must:

1. have a minimum cumulative GPA in Art of 3.00, and an overall cumulative GPA of 2.75,
2. complete the Foundations Sequence,
3. have completed or be completing in the semester of application 6 hours of studio distribution,
4. be enrolled in or have completed a second semester in the selected area of Studio Concentration (students electing a drawing concentration must be enrolled in or have completed a third semester of drawing beyond Drawing II),
5. complete the B.F.A. Admission Application, and
6. submit a portfolio of art work for review. Students may reapply for admission to the B.F.A. program.

Art Major: Studio B.F.A.

The Art Major: Studio B.F.A. requires a minimum of 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 *		12

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

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: 3

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 9

Choose any three 4000-level ARTHIST courses.

B.F.A. courses

B.F.A. portfolio admission review

ART 4010/5010 Professional Practices 3
(600:194g)

ART 4300/5300 Seminar: Critical Issues in 3
(600:192g) Contemporary Art

ART 4400 (600:189) B.F.A. Exhibition 0

Courses in Studio Concentration

Five courses in studio concentration 15

Five courses in any one of the following studio areas: ceramics, drawing (excluding Drawing I and Drawing II), graphic design, painting, performance art, photography, printmaking, or sculpture.

ART 4111 (600:196) B.F.A. Project I 3

ART 4222 (600:197) B.F.A. Project II 3

Art Electives ** 9

Total Hours 78

* All studio distribution courses must be taken outside the student's studio concentration.

** Courses chosen from studio, art history, or art education. Courses used in other categories cannot count toward these hours.

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 Survey of Art History I 3
(600:040)

ARTHIST 1222 Survey of Art History II 3
(600:041)

Studio Distribution * 6

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

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 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 6

Choose two courses from any 4000-level ARTHIST courses

Studio Concentration ** 12

Studio Electives 3

Total Hours 48

* All studio distribution requirements must be taken outside the student's area of concentration.

** 12 hours in any one of the following areas: ceramics, drawing (excluding Drawing I and Drawing II), painting, performance art, photography, printmaking, or sculpture. Studio courses used to fulfill the studio distribution requirement cannot be used to fulfill requirements in the studio concentration.

List of Programs by Department

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 6

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
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 6

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	
ARTHIST 4320/5320 (600:146g)	19th Century Western Art	
ARTHIST 4350/5350 (600:151g)	Early 20th Century Art	
ARTHIST 4362/5362 (600:152g)	Late 20th Century and Contemporary Art	
Art History in Non-Western Cultures		3
Select one of the following:		
ARTHIST 4002/5002 (600:139g)	Ancient Near Eastern Art	
ARTHIST 4010/5010 (600:140g)	Ancient Egyptian Art	
ARTHIST 4600/5600 (600:147g)	Asian Art	
ARTHIST 4602/5602 (600:149g)	Indian Art	
ARTHIST 4604/5604 (600:150g)	Japanese Art	
ARTHIST 4606/5606 (600:156g)	Chinese Art	
ARTHIST 4608/5608	Arts of Africa	
ARTHIST 4000/5000 (600:138g)	Research Methods and Writing in Art History	3
Art History Concentration		9
At least three courses from the aforementioned art history Group 1 or Group 2 *		
Art History Electives		6
A minimum of two courses from the above listing of art history courses and/or:		
ARTHIST 4322/5322 (600:153g)	History of Photography	
ARTHIST 4340/5340 (600:154g)	History of Design	
ARTHIST 4352/5352	History of Performance Art	
ARTHIST 4900/5900 (600:155g)	Myth and Narrative in Art	

ARTHIST 4999/5999 (600:191g)	Art History Seminar	
Total Hours		51

* 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 127 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 127 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 12

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
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
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* 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
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
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List of Programs by Department

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	
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 9

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 4600/5600 (600:147g)	Asian Art	
ARTHIST 4602/5602 (600:149g)	Indian Art	
ARTHIST 4604/5604 (600:150g)	Japanese Art	
ARTHIST 4606/5606 (600:156g)	Chinese 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

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 required for admission to the program.

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, writing samples, a portfolio of personal art work and work by the applicant's students. Specific information regarding portfolio preparation is available from the Department of Art.

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.

Each student must complete a **minimum of 30 semester hours**. This major has a written or a **project-based thesis** requirement. Projects must focus on issues germane to K-12 teaching and be documented by a thorough thesis description paper. **A minimum of 15 semester hours of 200/6000-level course work is required.**

All degree candidates are required to pass a formal Comprehensive Review in partial fulfillment of the Master of Arts degree requirements.

Required:

ARTED 6500 (600:295)	Seminar in Teaching Art *	9
ART 4300/5300 (600:192g)	Seminar: Critical Issues in Contemporary Art	3
Select one of the following:		3
ART 4010/5010 (600:194g)	Professional Practices	
ART 4300/5300 (600:192g)	Seminar: Critical Issues in Contemporary Art **	
ARTHIST 4000/5000 (600:138g)	Research Methods and Writing in Art History	
Graduate level Art History (numbered 5000-level or above)		6
ART 6299 (600:299)	Research	6
Graduate-level electives (approved by the Chair of Graduate Studies, Department of Art)		3
Total Hours		30

* Must be repeated for a total of 9 hours.

** May be taken twice.

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

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

Minors

- Biology
- Biology-Teaching

List of Programs by Department

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. Students with ACT mathematics scores below 24 are required to complete either (MATH 1140 (800:046) Precalculus) or (MATH 1120 (800:056) Mathematics for Biological Sciences) with a grade of C- (1.67) or higher before they can graduate with a biology major.
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. 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:

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

Biology: 5-6

BIOL 3190 (840:190)	Undergraduate Research in Biology
BIOL 4157/5157 (840:157g)	Biostatistics

Cognate courses:

Mathematics:

MATH 1420 (800:060)	Calculus I §	4
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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:		
PHYSICS 1511 (880:054)	General Physics I	4
PHYSICS 1512 (880:056)	General Physics II	4
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 biology credit must be 100g/4000-level.

** 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 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 will be accepted for biology elective credit.

[†] 100/3000-level or above, excluding BIOL 3101 (840:101) Anatomy and Physiology I.

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:		
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
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) or CHEM 2040	Organic Chemistry I and Organic Chemistry Laboratory 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
or		
CHEM 2220 (860:123)	Organic Chemistry II	
or		
CHEM 4510/5510 (860:154g)	Biochemistry I	
Total hours		58

* At least 7-8 hours of biology credit must be 100g/4000-level.

** 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 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 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:

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

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:

PHYSICS 1511 (880:054)	General Physics I	4
PHYSICS 1512 (880:056)	General Physics II	4

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 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 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 biology credit must be 100g/4000-level.

** 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 3103 (840:103)	Applied Ecology and Conservation
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List of Programs by Department

BIOL 3106 (840:106)	Vertebrate Anatomy
BIOL 3107	Environmental Physiology
BIOL 3112 (840:112)	Invertebrate Zoology
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 3179 (840:179)	Cooperative Education
BIOL 3185 (840:185)	Readings in Biology
BIOL 3190 (840:190)	Undergraduate Research in Biology
BIOL 4105/5105 (840:105g)	Wildlife Ecology and Management
BIOL 4108/5108	Biodiversity Conservation Policy
BIOL 4114/5114 (840:114g)	Comparative Animal Physiology
BIOL 4122/5122 (840:122g)	Plant Physiology
BIOL 4131/5131 (840:131g)	Animal Behavior
BIOL 4137/5137 (840:138g)	Vertebrate Physiology
BIOL 4142/5142 (840:142g)	Evolutionary Biology
BIOL 4143/5143 (840:143g)	Biogeography and Origins of Diversity
BIOL 4146/5146 (840:146g)	Developmental Biology of Animals
BIOL 4154/5154 (840:154g)	Aquatic Ecology
BIOL 4155/5155 (840:155g)	Ecotoxicology
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 4172/5172 (840:172g)	Developmental Plant Anatomy
BIOL 4178/5178 (840:178g)	Fire Management in Ecosystems

BIOL 4180/5180 (840:180g)	Restoration Ecology
BIOL 4198 (840:198)	Independent Study
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
Total hours	58

* At least 7-8 hours of biology credit must be 100g/4000-level.

** 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 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 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:		5
SCI ED 3200 (820:196)	Current Technologies in Science Teaching	
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	
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 biology credit must be 100g/4000-level.
- ** 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 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 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 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.

Minors Biology Minor

Required:	
Introductory track:	8

List of Programs by Department

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
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:		5
SCI ED 3200 (820:196)	Current Technologies in Science Teaching	
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	
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.

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.

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 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.

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 4155/5155 (840:155g)	Ecotoxicology
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
BIOL 4178/5178 (840:178g)	Fire Management in Ecosystems

Earth Science:

EARTHSCI 3330/5330 (870:141g)	Geomorphology
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EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology
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EARTHSCI 3355/5355 (870:175g)	Hydrogeology
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Geography:

GEOG 4220/5220 (970:126g)	Soils and Landscapes
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GEOG 4230/5230 (970:129g)	Rivers
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GEOG 4350/5350 (970:175g)	Global Positioning System Field Survey Methods
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Iowa Lakeside Laboratory: **

IA LL 3103/5103 (890:103g)	Aquatic Ecology
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IA LL 3121/5121 (890:121g)	Plant Ecology
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IA LL 3122/5122 (890:122g)	Prairie Ecology
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IA LL 3124/5124 (890:124g)	Wetland Ecology
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IA LL 3126/5126 (890:126g)	Ornithology
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IA LL 3142/5142 (890:142g)	Watershed Hydrology and Surficial Processes
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IA LL 3175/5175 (890:175g)	Soil Genesis and Landscape Relationships
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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 1110 (860:044) General Chemistry I and General Chemistry II 5-8
& CHEM 1120 (860:048)

or CHEM 1130 General Chemistry I-II (860:070)

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 4310/5310 Instrumental Analysis (860:137g) 4

CHEM 4420/5420 Physical Chemistry I (860:140g) 3

CHEM 4430/5430 Physical Chemistry II (860:141g) 3

CHEM 4440/5440 Physical Chemistry Laboratory (860:143g) 2

CHEM 4510/5510 Biochemistry I (860:154g) 3

CHEM 4520/5520 Biochemistry II (860:155g) 3

CHEM 4530/5530 Biochemistry Laboratory (860:156g) 2

Physics:

Select one of the following: 8

PHYSICS 1511 General Physics I
(880:054) and General Physics II
& PHYSICS 1512
(880:056)

OR

PHYSICS 1701 Physics I for Science and
(880:130) Engineering
& PHYSICS 1702 and Physics II for Science and
(880:131) Engineering

Electives 3-4

One 3000-level or higher course in biology, biochemistry, or chemistry

Total Hours 71-75

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 1110 (860:044) General Chemistry I and General Chemistry II 5-8
& CHEM 1120 (860:048)

List of Programs by Department

or CHEM 1130 (860:070)	General Chemistry I-II	
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- or 5000-level chemistry course.		
Total Hours		63-66

Notes:

- 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.
- 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.
- 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.

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 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 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II	5-8
or CHEM 1130 (860:070)	General Chemistry I-II	
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)	General Physics I and General Physics II	8
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 course in biology, biochemistry, or chemistry		
Total Hours		52-56

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 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II	5-8
or CHEM 1130 (860:070)	General Chemistry I-II	
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)	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	
Total Hours		48-51

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.

Required

Mathematics:		
MATH 1420 (800:060)	Calculus I	4
Chemistry and Biochemistry:		
CHEM 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II	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:		
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 3200 (820:196)	Current Technologies in Science Teaching	2
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	3

List of Programs by Department

SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
Total Hours		44

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 1110 (860:044) & CHEM 1120 (860:048) or CHEM 1130 (860:070)	General Chemistry I and General Chemistry II General Chemistry I-II
Electives	14
Total Hours	19-22

*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)	Introduction to Nanoscience and Nanotechnology
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
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 4143/5143 (450:143g)	Stress and Stress Management in the 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 B- or less. 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. However, some graduate programs specify the content for these courses (e.g., 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.

List of Programs by 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 CALIPSO 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 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
CSD 4500 (51C:155)	Clinical Practice	1

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
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/Electronic 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/Journalism (Liberal Arts)
 - 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.

Enrollment Management Policy

This policy applies to the following: Communication Liberal Arts Major, Communication/Public Relations Major, Communication/Electronic Media Major, Interactive Digital Studies Major, Political Communication Major, Communication Liberal Arts Minor, Business Communication Minor, Communication/Journalism 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 Communication Studies 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) or two-course Liberal Arts Core equivalent [COMM 2255 (48C:071), COMM 2256 (48C:011), or COMM 2257 (48C:074); AND COMM 1205 (48C:031) or COMM 2344 (48C:004)] and ENGLISH 1005 (620:005) or *ENGLISH 2015 (620:015)* or *ENGLISH 2120 (620:034)*. 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 or two-course Liberal Arts Core equivalent [COMM 2255 (48C:071), COMM 2256 (48C:011), or COMM 2257 (48C:074); AND COMM 1205 (48C:031) or COMM 2344 (48C:004)] and ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015) or *ENGLISH 2120 (620:034)*).
 - 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, Electronic 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.

List of Programs by Department

- 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) or two-course Liberal Arts Core equivalent [COMM 2255 (48C:071), COMM 2256 (48C:011), or COMM 2257 (48C:074); AND COMM 1205 (48C:031) or COMM 2344 (48C:004)] 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. Electronic Media: COMM COR 1010 (48J:002) , COMM EM 1655 (48E:003) .
3. Journalism: COMM COR 1010 (48J:002) .
4. Communication-Liberal Arts: COMM 1000 (48C:001), and *ENGLISH 1005 (620:005)* or equivalent, COMM 2011 (48C:002), COMM 2344 (48C:004), or COMM 1205 (48C:031); COMM COR 2020 (48C:080).
5. Political Communication: none.
6. Interactive Digital Studies: COMM COR 1010 (48J:002) and COMM 2555 (48C:025).

Minors

Admission to any Communication Minor (Liberal Arts, Business Communication, or Public Relations) Interactive Digital Studies Minor or Journalism Minor requires a 2.70 cumulative GPA in at least 24 hours of course work to include COMM 1000 (48C:001) Oral Communication or two-course Liberal Arts Core equivalent [COMM 2255 (48C:071), COMM 2256 (48C:011), or COMM 2257 (48C:074); AND COMM 1205 (48C:031) or COMM 2344 (48C:004)] and *ENGLISH 1005 (620:005)* or *ENGLISH 2015 (620:015)* or *ENGLISH 2120 (620:034)* . (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 1000 (48C:001)	Oral Communication	3
COMM 2011 (48C:002)	Exploring Communication Studies	1
COMM 2256 (48C:011)	Oral Interpretation: Texts in Performance **	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 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 Communication Research Methods	
COMM 4444/5444 (48C:155g)	Communication, Community, and Change	3
or COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	
COMM COR 2020 (48C:080)	Communication Research Methods	3
COMM COR 4124 (48C:124)	Communication Theories	3

Journalism

COMM COR 1010 (48J:002)	Mass Communication and Society	3
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Electives

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)	Oral History Communication	
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	
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 *	

List of Programs by Department

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 from departmental classes ***		9
Total Hours		46

* *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)

** **LAC Category 1B may be satisfied by two courses distributed as follows:
 COMM 2256 (48C:011) or COMM 2255 (48C:071) or COMM 2257 (48C:074); AND COMM 2344 (48C:004) or COMM 1205 (48C:031).

*** At least one from 100/3000/4000-level.

Communication-Theatre-Teaching Major

The Communication-Theatre-Teaching major requires a minimum of 122 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 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)	Oral Interpretation: Texts in Performance	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 EM 1611 (48E:021)	Media Literacy	3
Theatre:		
COMM 2455 (48C:015)	Group Performance: Scripting and Directing ^{THEATRE 1010 is a co-requisite with THEATRE 1011}	3
or THEATRE 1010 (490:010)	Foundations of Theatre	
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.)	

List of Programs by Department

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 EM 1655 (48E:003)	Introduction to Electronic Production (3 hrs.)
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.

- * LAC Category 1B may be satisfied by two courses distributed as follows:
COMM 2256 (48C:011) or COMM 2255 (48C:071) or COMM 2257 (48C:074); AND COMM 2344 (48C:004) or COMM 1205 (48C:031).
- ** 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 Against a Violent Environment) Forum Actors, and UNI Forensics.
- **** For the LAC Category Fine Arts requirement (Category 3A) we recommend that Communication-Theatre Education majors take THEATRE 1002: The Theatrical Arts and Society (3 credit hours).
- ***** For the LAC Capstone Experience (Category 6), we recommend that Communication-Theatre Education majors take THEATRE 3100/CAP 3106: Theatre in Education (3 credit hours).

Communication/Electronic Media Major

The Communication/Electronic 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.

Required

Communication:		
COMM COR 2020 (48C:080)	Communication Research Methods	3
COMM COR 4124 (48C:124)	Communication Theories	3
Electronic Media:		
COMM EM 1600	First Year Electronic Media Seminar	1
COMM EM 1611 (48E:021)	Media Literacy	3
COMM EM 1655 (48E:003)	Introduction to Electronic Production	3
COMM EM 1659 (48E:071)	Beginning Writing for Electronic Media	3
COMM EM 3179 (48E:179)	Cooperative Education	3
or COMM EM 3900/5900 (48E:197g)	Internship in Electronic Media	
COMM EM 4636/5636 (48E:132g)	Electronic Media: Law and Policy	3
COMM EM 4644 (48E:195)	Senior Seminar in Electronic Media	3
Journalism:		
COMM COR 1010 (48J:002)	Mass Communication and Society	3
Select one of the following two extended emphases:		27
Total Hours		55

Emphasis 1: Electronic Media Production/Performance

Required

Electronic Media:		
COMM EM 2650	Intermediate Electronic Production	3
COMM EM 4616/5616 (48E:141g)	Electronic Media: Processes and Effects	3
COMM EM 4646/5646 (48E:121g)	Electronic Media and Culture	3
and 3 hours chosen from the following:		3
COMM EM 2655 (48E:013)	Video Production: (Topic)	
COMM EM 2656 (48E:011)	Audio Production: (Topic)	
COMM EM 3657 (48E:112)	Multimedia Production: (Topic)	
Electives (chosen from the following)		15
Art (only 3-6 hours hours can be counted as electives):		
ART 2030 (600:025)	Graphic Design I	
ART 2070 (600:032)	Creative Photography I	
ARTHIST 1004 (600:004)	Visual Perceptions	
Communication (only 3-6 hours can be counted as electives):		

List of Programs by Department

COMM 2256 (48C:011)	Oral Interpretation: Texts in Performance **
COMM 2344 (48C:004)	Interpersonal Communication **
COMM 3055 (48C:132)	Organizational Communication
COMM 3155 (48C:173)	Business and Professional Oral Communication
COMM 3455 (48C:146)	Oral History Communication
COMM 4021/5021 (48C:180g)	Quantitative Research Methods
COMM 4022/5022 (48C:183g)	Qualitative Research Methods
COMM 4023/5023 (48C:189g)	Rhetorical Communication Research Methods
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication *
COMM 4217/5217 (48C:176g)	Freedom of Speech
COMM 4218 (48C:178)	Persuasion
COMM 4311/5311 (48C:121g)	Nonverbal Communication
COMM 4322/5322 (48C:144g)	Advanced Interpersonal 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
Computer Science (only 3-6 hours can be counted as electives):	
CS 1000 (810:021)	Computing Skills and Concepts
CS 1120 (810:056)	Media Computation
CS 1130 (810:030)	Visual BASIC Programming
English (only 3-6 hours can be counted as electives):	
ENGLISH 2650 (620:035)	Introduction to Film *
ENGLISH 4660/5660 (620:142g)	Film History *
Electronic Media:	
COMM EM 3651 (48E:136)	Electronic Media Sales and Promotion
COMM EM 3655 (48E:113)	Video Practicum: (Topic)
COMM EM 3656	Audio Practicum
COMM EM 3657 (48E:112)	Multimedia Production: (Topic)

COMM EM 3658 (48E:117)	Electronic Media Projects *
COMM EM 3659	Media Industry Trends and Issues
COMM EM 3660	Strategic Media Planning
COMM EM 4600/5600 (48E:166g)	Selected Topics in Electronic Media
COMM EM 4633/5633 (48E:123g)	Electronic Media Criticism: (Topic)
COMM EM 4611/5611 (48E:139g)	Electronic Media Industries: (Topic)
COMM EM 4638	Electronic Media Programming and Distribution
COMM EM 4647/5647 (48E:161g)	Communication Technologies
COMM EM 4655/5655 (48E:131g)	Electronic Media: Audience Analysis
COMM EM 4656/5656 (48E:134g)	Electronic Media Management
Journalism:	
COMM J 1755 (48J:007)	Reporting Methodologies and Sources
COMM J 2755 (48J:071)	News Writing for Media *
Management:	
MGMT 3153 (150:153)	Organizational Management
Marketing (only 3-6 hours can be counted as electives):	
MKTG 2110 (130:101)	Principles of Marketing *
MKTG 3113/5113 (130:106g)	Consumer Behavior *
MKTG 3143 (130:150)	Advertising and Promotion *
Theatre:	
THEATRE 3195/5195 (490:168g)	Playwriting *

Emphasis 2: Electronic Media Leadership

Required:

Communication (choose 3 hours from the following):	3
COMM 4111/5111 (48C:131g)	Group Communication Theory and Analysis
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication *
Electronic Media:	
COMM EM 3659	Media Industry Trends and Issues
	3

List of Programs by Department

COMM EM 3660	Strategic Media Planning	3
Take 3 courses from the following:		9
COMM EM 2650	Intermediate Electronic Production	
COMM EM 3651 (48E:136)	Electronic Media Sales and Promotion	
COMM EM 4655/5655 (48E:131g)	Electronic Media: Audience Analysis	
COMM EM 4656/5656 (48E:134g)	Electronic Media Management	
Economics (3 hours chosen from the following):		3
ECON 1031 (920:024)	Introduction to Economics	
ECON 1041 (920:053)	Principles of Macroeconomics	
Marketing:		6
MKTG 2110 (130:101)	Principles of Marketing *	
and one of the following courses:		
MKTG 3113/5113 (130:106g)	Consumer Behavior *	
MKTG 3143 (130:150)	Advertising and Promotion *	
MKTG 3146 (130:160)	Digital Advertising *	

* These courses have additional prerequisites as follows: MKTG 2110 (130:101), MKTG 3113/5113 (130:106g), MKTG 3143 (130:150), and MKTG 3146 (130:160) require either *ECON 1031 (920:024)* or *ECON 1041 (920:053)* as a prerequisite. *ECON 1031 (920:024)* may be used to satisfy Category 5B of the Liberal Arts Core. COMM 4134/5134 (48C:134g) has prerequisites of MGMT 3153 (150:153) or COMM 3055 (48C:132). COMM 4322/5322 (48C:144g) has prerequisite of COMM 2344 (48C:004). COMM EM 3656 has prerequisite of COMM EM 2656 (48E:011). COMM EM 3655 (48E:113) has prerequisite of COMM EM 2655 (48E:013). COMM EM 3658 (48E:117) has prerequisite of COMM EM 2656 (48E:011) or COMM EM 2655 (48E:013) or COMM EM 3657 (48E:112). COMM J 2755 (48J:071) has prerequisite of COMM J 1755 (48J:007). THEATRE 3195/5195 (490:168g) has prerequisite of THEATRE 1010 (490:010) or consent of instructor; junior standing. 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.

** LAC Category 1B may be satisfied by two courses distributed as follows: COMM 2256 (48C:011) or COMM 2255 (48C:071) or COMM 2257 (48C:074); AND COMM 2344 (48C:004) or COMM 1205 (48C:031).

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 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

Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing *	3
MKTG 3113/5113 (130:106g)	Consumer Behavior *	3
Management:		
MGMT 3153 (150:153)	Organizational Management	3
Journalism:		
COMM COR 1010 (48J:002)	Mass Communication and Society	3
COMM J 1755 (48J:007)	Reporting Methodologies and Sources	3
COMM J 2755 (48J:071)	News Writing for Media	3
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics	3
COMM J 3756 (48J:172)	Editing and Design	3
Communication:		
COMM 2344 (48C:004)	Interpersonal Communication **	3
COMM 3155 (48C:173)	Business and Professional Oral Communication	3
COMM 3055 (48C:132)	Organizational Communication	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 4822/5822 (48P:170g)	Global Public Relations	3
or COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods	3
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies	3
COMM PR 3179 (48P:179)	Cooperative Education	3
or COMM PR 3900/5900 (48P:197g)	Internship in Public Relations	
Total Hours		60

* 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.

** LAC Category 1B may be satisfied by two courses distributed as follows:
COMM 2256 (48C:011) or COMM 2255 (48C:071) or
COMM 2257 (48C:074); AND COMM 2344 (48C:004) or
COMM 1205 (48C:031).

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.

The Interactive Digital Studies major does not limit the double-counting of credit hours from the Liberal Arts Core. However, no double counting of credit hours is allowed between the different emphases of the Interactive Digital Studies major.

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: 6		
COMM 2555 (48C:025)	Interactive Digital Communication	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	

Journalism: 3		
COMM COR 1010 (48J:002)	Mass Communication and Society	
University, Interdisciplinary: 3		
UNIV 4555	Interactive Digital Studies Practicum	
Electives - select two bundles (emphases) from the following:		30-31
Total Hours		42-43

EMPHASES

1. Digital Visualization (15 hours)

Sociology:		
SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2010 (980:108)	Research Methods	3
or COMM COR 2020 (48C:080)	Communication Research Methods	
Communication or Geography:		
GEOG 4180/5180 (970:121g)	Locational Analysis for Business	3
or COMM J 4715 (48J:178g)	Photojournalism	
Communication:		
Sociology or Communication:		
COMM 4556/5556	Interactive Digital Visualization	3
SOC 3060/5060 (980:138g)	Sociology of Culture	3
or COMM EM 1611 (48E:021)	Media Literacy	
Total Hours		15

2. Digital Computation (15 hours)

Computer Science:		
CS 1025 (810:025)	Modern Tools for Exploring Data	3
CS 1100 (810:017)	Web Development: Client- Side Coding	3
CS 1120 (810:056)	Media Computation	3
CS 2880 (810:088)	Topics in Computing	3
CS 3120/5120 (810:112g)	User Interface Design	3
Total Hours		15

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

List of Programs by Department

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
or ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	
ENGLISH 4672/5672 (620:170g)	Electronic Literature	3
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication	3
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	3
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects and Careers	3
Total Hours		15

5. Digital Music (15-16 hours)

Music Theory (required):		
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 3220/5220 (580:122g)	Music and Technology	2
MUS THEO 3230/5230 (580:123g)	Music Technology, Advanced	3
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.		
Music, Applied:		
MUS APPL 1540 (540:054)	Composition	3
Music electives (select 2-3 hours from the following) - consent of instructor and other requirements apply to various classes		2-3
Music, Applied:		
MUS APPL 1xx5 (540:Nxx)		
MUS APPL 1470 (540:047)	Group Piano	
Music History:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	
MUS HIST 3300/5300 (590:130g)	History of Opera	

MUS HIST 3600/5600 (590:160g)	Jazz History and Styles	
Music, Organizations and Ensembles:		
MUS ENS 1120 (530:012)	Ensemble (may be repeated once)	
Additionally, it is recommended that students taking this bundle elect to take MUSIC 1100 (520:010) as part of their LAC courses.		
Total hours		15-16

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 I	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) or ECON 1041 (920:053)	Introduction to Economics Principles of Macroeconomics	3
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 3156 (130:178)	Services Marketing	
Total Hours		15

8. Digital Media and Social Change (15 hours)

Communication:		
COMM EM 1611 (48E:021)	Media Literacy	3
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	3
COMM COR 2020 (48C:080)	Communication Research Methods	3
Communication or English:		
COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	3
or COMM COR 4124 (48C:124)	Communication Theories	
or ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	

Journalism or Sociology:

COMM J 4754/5754 (48J:151g) or SOC 2040 (980:156g)	Global Mass Communication Systems Social Movements	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) or POL AMER 4160/5160	Political Communication Political Communication	3
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 Communication 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 EM 1611 (48E:021)	Media Literacy	
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 EM 4616/5616 (48E:141g)	Electronic Media: Processes and Effects *	
COMM PR 1811 (48P:005)	Principles of Public Relations *	
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics	
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems *	
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

List of Programs by Department

* *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 EM 4616/5616 (48E:141g) has prerequisite of COMM EM 1611 (48E:021) or consent of instructor.
 COMM J 4754/5754 (48J:151g) 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:		
COMM 2555 (48C:025)	Interactive Digital Communication	3
or ENGLISH 2770 (620:077)	Introduction to Professional Writing	
Communication or Management:		
COMM 3055 (48C:132)	Organizational Communication	3
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:	
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)	Oral Interpretation: Texts in Performance **	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 Minor - Teaching

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)	Oral Interpretation: Texts in Performance **	3
COMM 2257 (48C:074)	Argumentation and Debate **	3
COMM EM 1611 (48E:021)	Media Literacy	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)	Group Performance: Scripting and Directing	
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.
 ** LAC Category 1B may be satisfied by two courses distributed as follows:
 COMM 2256 (48C:011) or COMM 2255 (48C:071) or COMM 2257 (48C:074); AND COMM 2344 (48C:004) or COMM 1205 (48C:031).
 *** These classes must be taken before THEATRE 3160 (490:161).

Communication/Journalism Minor (Liberal Arts)

Required

Journalism:		
COMM COR 1010 (48J:002)	Mass Communication and Society	3
COMM J 1755 (48J:007)	Reporting Methodologies and Sources	3
COMM J 2755 (48J:071)	News Writing for Media	3
COMM J 3756 (48J:172)	Editing and Design	3
COMM J 4735/5735 (48J:171g)	Advanced Reporting	3
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics	3

Electives

Journalism:		
Select two of the following:		6
COMM J 3755 (48J:174)	Digital Journalism	

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COMM J 3900 (48J:197)	Internship in Journalism	
COMM J 4711/5711 (48J:121g)	History of Mass Communication	
COMM J 4715 (48J:178g)	Photojournalism	
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems	
COMM J 4765/5765 (48J:176g)	Feature Writing	
Total Hours		24

Communication/Public Relations Minor

Required

Communication:		
COMM COR 4124 (48C:124)	Communication Theories	3
COMM 3055 (48C:132)	Organizational Communication	3
Journalism:		
COMM J 1755 (48J:007)	Reporting Methodologies and Sources	3
Public Relations:		
COMM PR 1811 (48P:005)	Principles of Public Relations	3
COMM PR 3855 (48P:173)	Public Relations Writing	3
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods	3

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	
Public Relations:		
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies	
COMM PR 4822/5822 (48P:170g)	Global Public Relations	
Total Hours		21

Interactive Digital Studies Minor

The Interactive Digital Studies minor is interdisciplinary in nature and is under the jurisdiction of the Department of Communication Studies. This minor requires a 9-hour core plus 15-16 hours from one of the eight emphases.

Required		
Communication: 6		
COMM 2555 (48C:025)	Interactive Digital Communication	
COMM 4544/5544 (48C:120g)	Digital Culture and Communication	
Journalism: 3		
COMM COR 1010 (48J:002)	Mass Communication and Society	
Electives - select one bundle (emphasis) from the following:		15-16
Total Hours		24-25

1. Digital Visualization (15 hours)

Sociology:		
SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2010 (980:108)	Research Methods	3
or COMM COR 2020 (48C:080)	Communication Research Methods	
Communication or Geography:		
COMM J 4715 (48J:178g)	Photojournalism	3
or GEOG 4180/5180 (970:121g)	Locational Analysis for Business	
Communication:		
COMM 4556/5556	Interactive Digital Visualization	3
Sociology or Communication:		
SOC 3060/5060 (980:138g)	Sociology of Culture	3
or COMM EM 1611 (48E:021)	Media Literacy	
Total Hours		15

2. Digital Computation (15 hours)

Computer Science:		
CS 1025 (810:025)	Modern Tools for Exploring Data	3
CS 1100 (810:017)	Web Development: Client-Side Coding	3
CS 1120 (810:056)	Media Computation	3
CS 2880 (810:088)	Topics in Computing	3
CS 3120/5120 (810:112g)	User Interface Design	3
Total Hours		15

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

List of Programs by Department

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
or ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	
ENGLISH 4672/5672 (620:170g)	Electronic Literature	3
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication	3
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	3
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects and Careers	3
Total Hours		15

5. Digital Music (15-16 hours)

Music Theory (required):

MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 3220/5220 (580:122g)	Music and Technology	2
MUS THEO 3230/5230 (580:123g)	Music Technology, Advanced	3
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.)

Music, Applied:

MUS APPL 1540 (540:054)	Composition	3
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Music electives (select 2-3 hours from the following) 2-3
- consent of instructor and other requirements apply to various classes

Music, Applied:

MUS APPL 1xx5 (540:Nxx)

MUS APPL 1470 Group Piano
(540:047)

Music History:

MUS HIST 1010 History of Music I: Antiquity
(590:001) Through Renaissance

MUS HIST
3300/5300 History of Opera
(590:130g)

MUS HIST Jazz History and Styles
3600/5600
(590:160g)

Music, Organizations and Ensembles:

MUS ENS 1120 Ensemble (may be repeated
(530:012) once)

Additionally, it is recommended that students taking this bundle elect to take MUSIC 1100 (520:010) as part of their LAC courses.

Total hours 15-16

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 I	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 3156 (130:178)	Services Marketing	

Total Hours 15

8. Digital Media and Social Change (15 hours)

Communication:

COMM EM 1611 (48E:021)	Media Literacy	3
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	3
COMM COR 2020 (48C:080)	Communication Research Methods	3

Communication or English:

COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	3
or COMM COR 4124 (48C:124)	Communication Theories	
or ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	

List of Programs by Department

Journalism or Sociology:		
COMM J 4754/5754 (48J:151g) or SOC 2040 (980:156g)	Global Mass Communication Systems Social Movements	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/commsudies/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:

- 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		
COMM 4411/5411 (48C:122g)	Language and Communication	3

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 6043 (48C:244)	Interpersonal Communication	
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	

Total Hours 33

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

COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	3
COMMGRAD 6299 (48C:299,48E:299,48P:2)	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 6043 (48C:244)	Interpersonal 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:2and Research)	Introduction to Graduate Study	3
COMMGRAD 6011 (48C:224)	Communication Theory	3

or COMMGRAD 6016 Mass Communication Theory
(48E:224)

COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
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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 6043 (48C:244)	Interpersonal 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:201,48 and Research)	Introduction to Graduate Study	
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.)	

List of Programs by Department

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 6043 (48C:244)	Interpersonal 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:2)	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	
COMM EM 4600/5600 (48E:166g)	Selected Topics in Electronic Media	
COMM EM 4611/5611 (48E:139g)	Electronic Media Industries: (Topic)	
COMM EM 4616/5616 (48E:141g)	Electronic Media: Processes and Effects	
COMM EM 4633/5633 (48E:123g)	Electronic Media Criticism: (Topic)	
COMM EM 4636/5636 (48E:132g)	Electronic Media: Law and Policy	
COMM EM 4646/5646 (48E:121g)	Electronic Media and Culture	
COMM EM 4647/5647 (48E:161g)	Communication Technologies	
COMM EM 4655/5655 (48E:131g)	Electronic Media: Audience Analysis	
COMM EM 4656/5656 (48E:134g)	Electronic Media Management	
COMM EM 6285 (Readings)		
COMM EM 6286 (Studies in)		
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication (first course/ topic counts toward core requirement; additional course(s)/topic(s) count as electives)	
COMMGRAD 6900 (48C:292,48E:292,48P:292)	Graduate Internship	
COMM J 4711/5711 (48J:121g)	History of Mass Communication	
COMM J 4735/5735 (48J:171g)	Advanced Reporting	
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics	
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems	
COMM J 4765/5765 (48J:176g)	Feature Writing	
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies	

List of Programs by Department

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:2)	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:2)	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 EM 4600/5600 (48E:166g)	Selected Topics in Electronic Media	
COMM EM 4611/5611 (48E:139g)	Electronic Media Industries: (Topic)	
COMM EM 4616/5616 (48E:141g)	Electronic Media: Processes and Effects	
COMM EM 4633/5633 (48E:123g)	Electronic Media Criticism: (Topic)	
COMM EM 4636/5636 (48E:132g)	Electronic Media: Law and Policy	
COMM EM 4646/5646 (48E:121g)	Electronic Media and Culture	
COMM EM 4647/5647 (48E:161g)	Communication Technologies	
COMM EM 4655/5655 (48E:131g)	Electronic Media: Audience Analysis	

COMM EM 4656/5656 (48E:134g)	Electronic 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)	
COMM EM 6285 (Readings)		
COMM EM 6286 (Studies in)		
COMMGRAD 6900 (48C:292,48E:292,48P:292)	Graduate Internship	
COMM J 4711/5711 (48J:121g)	History of Mass Communication	
COMM J 4735/5735 (48J:171g)	Advanced Reporting	
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics	
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems	
COMM J 4765/5765 (48J:176g)	Feature Writing	
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	
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:2)	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 6041 (48C:232)	Seminar in Organizational Communication (6 hrs.)	6
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	3

List of Programs by Department

Department Electives (select 15 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		33

* 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:2)	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 6041 (48C:232)	Seminar in Organizational Communication	6
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	3
COMMGRAD 6299 (48C:299,48E:299,48P:299)	Research	6

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		30

* 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	Introduction to Graduate Study (48C:201,48E:201,48P:2and Research	3
COMMGRAD 6011	Communication Theory (48C:224)	3
or COMMGRAD 6016	Mass Communication Theory (48E:224)	
COMMGRAD 6022	Communication Research Methodology (48C:236)	3
COMMGRAD 6044	Seminar in Performance Studies (48C:212)	3

Electives (select 21 hours from the following): * 21

COMM 4344/5344	Intercultural Communication (48C:151g)	
COMM 4346/5346	Gender Issues in Communication (48C:153g)	
COMM 4411/5411	Language and Communication (48C:122g)	
COMM 4444/5444	Communication, Community, and Change (48C:155g)	
COMM 4446/5446	Social Protest: Performance and Rhetoric (48C:113g)	
COMM 4447/5447	Performance and Social Change (48C:108g)	
COMM 4448/5448	Cultural Performance (48C:110g)	
COMM 4490/5490	Interpreters Theatre Production (48C:117g)	
COMM 4544/5544	Digital Culture and Communication (48C:120g)	
COMM 4909/5909	Readings in Performance Studies (48C:119g)	
COMMGRAD 6014	Critical and Cultural Studies in Communication (48C:251)	
COMMGRAD 6042	Seminar in Communication (48C:222)	
COMMGRAD 6043	Interpersonal Communication (48C:244)	
COMMGRAD 6046	Seminar in Mass Communication (48E:222)	
COMM EM 4616/5616	Electronic Media: Processes and Effects (48E:141g)	
COMM EM 4633/5633	Electronic Media Criticism: (Topic) (48E:123g)	
COMM EM 4646/5646	Electronic Media and Culture (48E:121g)	
COMM EM 4647/5647	Communication Technologies (48E:161g)	
COMM EM 4655/5655	Electronic Media: Audience Analysis (48E:131g)	

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	Introduction to Graduate Study (48C:201,48E:201,48P:2and Research	3
COMMGRAD 6011	Communication Theory (48C:224)	3
or COMMGRAD 6016	Mass Communication Theory (48E:224)	
COMMGRAD 6022	Communication Research Methodology (48C:236)	3
COMMGRAD 6044	Seminar in Performance Studies (48C:212)	3
COMMGRAD 6299	Research (6 hrs.) (48C:299,48E:299,48P:2	6

Electives (select 12 hours from the following): 12

COMM 4344/5344	Intercultural Communication (48C:151g)	
COMM 4346/5346	Gender Issues in Communication (48C:153g)	
COMM 4411/5411	Language and Communication (48C:122g)	
COMM 4444/5444	Communication, Community, and Change (48C:155g)	
COMM 4446/5446	Social Protest: Performance and Rhetoric (48C:113g)	
COMM 4447/5447	Performance and Social Change (48C:108g)	
COMM 4448/5448	Cultural Performance (48C:110g)	
COMM 4490/5490	Interpreters Theatre Production (48C:117g)	
COMM 4544/5544	Digital Culture and Communication (48C:120g)	

List of Programs by Department

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 6043 (48C:244)	Interpersonal Communication	
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	
COMM EM 4616/5616 (48E:141g)	Electronic Media: Processes and Effects	
COMM EM 4633/5633 (48E:123g)	Electronic Media Criticism: (Topic)	
COMM EM 4646/5646 (48E:121g)	Electronic Media and Culture	
COMM EM 4647/5647 (48E:161g)	Communication Technologies	
COMM EM 4655/5655 (48E:131g)	Electronic Media: Audience Analysis	
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		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:2)	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
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 6043 (48C:244)	Interpersonal 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)	
COMMGRAD 6900 (48C:292,48E:292,48P:292)	Graduate Internship	
COMM 3000/5000 (48C:166g)	Selected Topics in Communication	
COMM EM 4600/5600 (48E:166g)	Selected Topics in Electronic Media	
COMM J 4711/5711 (48J:121g)	History of Mass Communication	
COMM J 4735/5735 (48J:171g)	Advanced Reporting	
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics	
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems	
COMM J 4765/5765 (48J:176g)	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		33

* COMMGRAD 6022 (48C:236) counts toward core requirement; additional seminar course(s)/topic(s) count as electives.

Thesis Option

Required Core

COMMGRAD 6001	Introduction to Graduate Study (48C:201,48E:201,48P:2and Research	3
COMMGRAD 6011	Communication Theory (48C:224)	3
or COMMGRAD 6016	Mass Communication Theory (48E:224)	
COMMGRAD 6022	Communication Research Methodology (48C:236)	3
COMMGRAD 6027	Seminar in Public Relations (48P:282)	3
COMMGRAD 6299	Research (6 hrs.) (48C:299,48E:299,48P:2	6
COMM PR 3844/5844	Public Relations: Integrated Communications (48P:184g)	3

Electives (select 9 hours from the following): * 9

COMMGRAD 6014	Critical and Cultural Studies in Communication (48C:251)	
COMMGRAD 6041	Seminar in Organizational Communication (48C:232)	
COMMGRAD 6042	Seminar in Communication (48C:222)	
COMMGRAD 6043	Interpersonal Communication (48C:244)	
COMMGRAD 6044	Seminar in Performance Studies (48C:212)	
COMMGRAD 6046	Seminar in Mass Communication ((first course/ topic counts toward core requirement; additional course(s)/topic(s) count as electives)) (48E:222)	
COMMGRAD 6285	(Readings)	
COMMGRAD 6286	(Studies in)	
COMMGRAD 6900	Graduate Internship (48C:292,48E:292,48P:292)	
COMM J 4711/5711	History of Mass Communication (48J:121g)	
COMM J 4735/5735	Advanced Reporting (48J:171g)	
COMM J 4743/5743	Mass Communication Law and Ethics (48J:132g)	
COMM J 4754/5754	Global Mass Communication Systems (48J:151g)	
COMM J 4765/5765	Feature Writing (48J:176g)	
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
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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
- **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 1130 and CS 1160 are regressive to CS 1520 and any course having it as prerequisite.
6. All computer science majors must complete the department's core assessment exam before enrolling in any course numbered CS 2420 or above required for their major.

List of Programs by Department

7. All computer science majors must complete the department's program assessment exam before graduating.

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

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

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 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 may be counted in a specialty area with department approval for thge 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

Technology:		
TECH 1037 (330:037)	Introduction to Circuits	3
TECH 1039 (330:039)	Circuits and Systems	3
TECH 3156 (330:156)	Advanced Digital Electronics	3
TECH 4104/5104 (330:104g)	Applied Digital Signal Processing	3
Mathematics:		
MATH 1420 (800:060)	Calculus I [^]	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 4400/5400 (810:140g)	System Administration	3
CS 4410/5410 (810:141g)	System Security	3
CS 3470/5470 (810:147g)	Networking	3
CS 4800 (810:180)	Undergraduate Research in Computer Science (1 hr.)	1
Physics:		
PHYSICS 1511 (880:054)	General Physics I	4
PHYSICS 1512 (880:056)	General Physics II	4
Electives		
From one of the following areas: 9		
Computer Science:		
CS 3430/5430 (810:143g)	Operating Systems	
6 additional hours of computer science [100-level courses numbered 2420 or above, excluding CS 2134 (810:134) and CS 3510 (810:151)]. *		
Technology:		
TECH 2041 (330:041)	Introduction to Analog Electronics	
TECH 3152 (330:152)	Advanced Analog Electronics	

TECH 4103/5103 (330:103g) Electronic Communications

Total Hours 57

[^] MATH 1420 (800:060) has prerequisite of MATH 1140 (800:046), or MATH 1110 (800:043) and MATH 1130 (800:044), or equivalent.

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	

List of Programs by Department

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	
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 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

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 100-level courses numbered 2420 or above excluding CS 3510 (810:151). 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:		
CS 1130 (810:030)	Visual BASIC Programming	3
CS 2880 (810:088)	Topics in Computing	3
Other courses pre-approved by the Computer Science Department		

Total Hours 12

Certificate in Computer Science

Required

Computer Science:		
CS 1520 (810:052)	Data Structures	4
CS 1800 (810:080)	Discrete Structures	3
CS 2530 (810:053)	Intermediate Computing	3
one course from the following:		

CS 1120 (810:056)	Media Computation	3-4
CS 1130 (810:030)	Visual BASIC Programming	3-4

CS 1140	Programming Environments for Secondary Education	
CS 1160 (810:036)	C/C++ Programming	
CS 1510 (810:051)	Introduction to Computing	
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**
 - 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. 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:

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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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 Instruction in Classroom Contexts	3
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Human Relations:

TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application	3
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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
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Teaching:

TEACHING 3132 (280:132)	Early Childhood Teaching	12
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Total Hours Professional Education Requirements-Early Childhood 33

II. Early Childhood Education Major Requirements

Required:

Applied Human Services, School of:		2
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NUTR 1031 (310:031)	Nutrition for Early Childhood Education	
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Educational Psychology: 3

EDPSYCH 4109/5109 (200:109g)	Development and Assessment of Young Children	
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Elementary, Early Childhood, and Middle Level Education: 23

List of Programs by Department

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 4122/5122	Exploring Diversity Among Infants and Toddlers	
ELEMECML 4130/5130 (210:130g)	Guidance and Instruction in Early Childhood Education	
ELEMECML 4149/5149 (210:149g)	Child, Family, School and Community Relationships	
ELEMECML 4151/5151 (210:151g)	Early Childhood Curriculum Development and Organization	
ELEMECML 4160/5160	Administration of Programs in Early Childhood	
ELEMECML 4161/5161	Field Experience in Early Childhood Curriculum	
ELEMECML 4192/5192 (210:192g)	Experience	
Literacy Education:		6
LITED 1044 (230:044)	Children's Literature	
LITED 3115 (230:115)	Methods of Teaching Early 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:		3
SPED 4144/5144	Special Education Issues and Practices for Infants and Toddlers	
Total hours		58-61

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 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	3
ELEMECML 4130/5130 (210:130g)	Guidance and Instruction in Early Childhood Education	3
ELEMECML 4149/5149 (210:149g)	Child, Family, School and Community Relationships	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)

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:		2
SPED 3150 (220:150)	Meeting the Needs of Diverse Learners in Classrooms	
Instructional Technology:		3

List of Programs by Department

INSTTECH 1031 (240:031)	Educational Technology and Design *
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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.

Level I

Educational Psychology:	4
TEACHING 2017	Level 1 Field Experience: Exploring Teaching
EDPSYCH 2030 (200:030)	Dynamics of Human Development

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
Educational Psychology:	4
EDPSYCH 3148 (200:148)	Learning and Instruction in Classroom Contexts
Human Relations:	3
TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application
Measurement and Research:	2
MEASRES 3150 (250:150)	Classroom Assessment

Level III

(Before enrolling in Level III, the student must be fully admitted to the Teacher Education Program.)

Social Foundations:	3
SOCFOUND 3119 (260:119)	Schools and American Society
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:	12
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

ELEMECML 4150/5150 (210:152g)	Elementary Curriculum	
Elementary, Early Childhood, and Middle Level Education/Music/Art:		3-6
ELEMECML 4123/5123 (210:123g)	Methods of Teaching Visual and Performing Arts Integration in the Elementary Classroom	
or all of the following:		
ARTED 1500 (600:090)	Fine Arts Practices in the Classroom: Art	
MUSIC 3020/5020 (520:102g)	Fine Arts Practices in the Classroom: Music	
THEATRE 3112	Fine Arts Practices in the Classroom: Drama and Theatre	
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 *	
Health Promotion and Education/Physical Education/ Health, Physical Education and Leisure Services- Interdepartmental (from the following):		3-5
HPELS 2045 (440:045)	Health and Physical Education for Elementary Teachers	
or both of the following courses:		
HPE 3135 (410:135)	Elementary School Health Education Methods	
PEMES 2045 (420:045)	Physical Education for the Elementary Grades	
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	48-56

* 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 4150/5150 (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

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 School of Health, Promotion, and Leisure Services)
 Mathematics (K-8)-Teaching (listed in Department of Mathematics)
 Modern Languages (K-8)-Teaching (listed in Department of Modern Languages)
 Physical Education (K-8)-Teaching (listed in School of Health, Promotion, and Leisure Services)
 Social Studies (K-8)-Teaching (listed below)
 Special Education-Teaching (listed in Department of Special Education)

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
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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.

Required:

Educational Psychology:		3
EDPSYCH 4152/5152 (200:152g)	Development of the Middle School Aged Child	
Middle Level Education:		8
ELEMECML 3120 (210:120)	Classroom Management K-8	
or EDPSYCH 4151/5151 (200:151g)	Approaches to Classroom Management for Secondary Students	
ELEMECML 4135/5135 (210:135g)	Middle Level Instruction, Differentiation, and Assessment	
ELEMECML 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:

ELEMECML 3120 (210:120)	Classroom Management K-8	3
ELEMECML 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:

ELEMECML 3120 (210:120)	Classroom Management K-8	3
ELEMECML 4135/5135 (210:135g)	Middle Level Instruction, Differentiation, and Assessment	3
ELEMECML 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	

List of Programs by Department

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 (230:119)	Language Development and Emergent Literacy	3
LITED 3121 (230:121)	Advanced Children's Literature	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 (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 (230:119)	Language Development and Emergent Literacy	3
LITED 3121 (230:121)	Advanced Children's Literature	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 (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
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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
INSTTECH 6205 (240:205)	Instructional Computing Design	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)	Administration of the School Library Program	3
SLS 6250 (350:250)	Reference Services and Information Retrieval	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.

List of Programs by Department

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) Administration of the School Library Program	
SLS 6230 (350:230) Technologies for Libraries	
SLS 6250 (350:250) Reference Services and Information Retrieval	
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:	
ELEMECML 6201 (210:201) Issues and Trends in Curriculum	3
ELEMECML 6205 Technology in Early Childhood Education	3
ELEMECML 6210 Diversity in Early Childhood Education: Theory and Practice	3

List of Programs by Department

ELEMECML 6221 (210:221)	Analysis and Design of Curriculum for Young Children	3
ELEMECML 6236	Assessment in Early Childhood	3
LITED 6212 (230:212)	Methods and Materials in Literacy Education	3
ELEMECML 6214 (210:214)	Recent Research in Early Childhood Education	3
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 Science and Mathematics	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.**

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

List of Programs by Department

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 Division, the Health Promotion and Education Division, or the Athletic Training Division in the School of Health, Physical Education, and Leisure 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.

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		
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

List of Programs by Department

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 Science

(College of Humanities, Arts and Sciences)

www.earth.uni.edu

The Department of Earth Science offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Earth Science section in the following order:

- **Undergraduate Majors (B.A.)**
 - Earth Science
 - Earth Science-Teaching
 - Environmental Science
- **Minors**
 - Earth Science
 - Earth Science-Teaching

The Department of Earth Science encompasses five curricular disciplines: astronomy, meteorology, geology, earth science education and environmental science.

Major programs are offered in one baccalaureate area:

- 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 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-level^ courses **		18
Total Hours		45

* EARTHSCI 1100 (870:010) must be taken for four semester hours of credit.

** 100-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 120-121 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 120-121 hours.

Required

Science and Science Education:		
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	3
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
SCI ED 3200 (820:196)	Current Technologies in Science Teaching	2
Chemistry and Biochemistry:		5-8

List of Programs by Department

CHEM 1110 (860:044) & CHEM 1120 (860:048) or CHEM 1130 (860:070)	General Chemistry I and General Chemistry II 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-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 Science Major

The 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.

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 4666/5666 (830:166g)	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

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.

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 2122 (920:103), and ECON 2112 (920:104) 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 2.50 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.
- ECON 1041 (920:053) and ECON 1051 (920:054) are minimum prerequisites for all 100/2000/3000/4000-level courses.
- It is recommended that ECON 2122 (920:103) and ECON 2112 (920:104) be taken before other advanced courses in Economics.
- 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)		18-42
Total Hours		39-63

Emphases:

1. General Economics

Electives: 100/2000/3000/4000-level economics courses	18
Total Hours	18

2. Quantitative Techniques

Required

Economics:		
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

List of Programs by Department

MATH 2500 (800:076)	Linear Algebra for Applications	3
MATH 4420/5420 (800:140g)	Advanced Calculus I	3
Electives: 100/2000/3000/4000-level economics courses (except ECON 3077 (920:177))		15
Total Hours		36

3. Business Economics (39 hours)

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 2.50 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)	Corporation Finance	3
Economics:		
ECON 1021 (920:020)	Introduction to Decision Techniques	3
ECON 1011 (920:070)	Business Statistics	3
Electives: 100/2000/3000/4000-level economics courses		6
Total Hours		39

4. Applied Economic Analysis

Required

Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
ACCT 2130 (120:031)	Principles of Managerial Accounting	3
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
Finance:		
FIN 3130/5130 (160:151g)	Corporation Finance	3
FIN 3160/5160 (160:152g)	Principles of Investments	3
Select one of the following:		
FIN 3050 (160:162)	Risk Management and Insurance	3
FIN 3135 (160:161)	Intermediate Financial Management	3
FIN 3170/5170 (160:153g)	Commercial Bank Management	3
Mathematics:		
MATH 1140 (800:046)	Precalculus	4
MATH 1420 (800:060)	Calculus I	4
MATH 1421 (800:061)	Calculus II	4
Economics:		
ECON 1011 (920:070)	Business Statistics	3
ECON 2132 (920:113)	Money and Banking	3
ECON 3269/5269 (920:168g)	Mathematical Economics	3
Electives: 100/2000/3000/4000-level economics courses.		3
Total Hours		42

Students successfully completing the requirements for a Mathematics major (any emphasis) may waive ECON 1011 (920:070) and ECON

3269/5269 (920:168g) in the Applied Economic Analysis emphasis. However, Applied Economic Analysis majors who drop or fail to complete the Mathematics major for any reason will be required to take ECON 1011 (920:070) , ECON 3269/5269 (920:168g) , MATH 1420 (800:060) , and MATH 1421 (800:061) before graduation.

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
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
- **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 6218 (170:218)	Organization and Governance of Postsecondary Education	3
POSTSEC 6231 (170:231)	Assessment in Postsecondary Education	3
POSTSEC 6260 (170:260)	History of U.S. Higher Education	3
POSTSEC 6264 (170:264)	Introduction to Student Affairs	3
POSTSEC 6266 (170:266)	Administration of Student Affairs	3
POSTSEC 6270 (170:270)	College Student Development	3
POSTSEC 6289 (170:289)	Seminar in Postsecondary Education	3

List of Programs by Department

POSTSEC 6290 (170:290)	Practicum in Postsecondary Education (two are required for 6 hrs) *	6
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:		6
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 (May be repeated for maximum of 6 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	
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.

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 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 Division, the Health Promotion and Education Division, or the Athletic Training Division in the School of Health, Physical Education, and Leisure 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

List of Programs by Department

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.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 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
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 617, 319-273-2694, or the department web site www.uni.edu/coe/departments/educational-psychology-foundations.

List of Programs by Department

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
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences
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
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
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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
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Measurement and Research:

MEASRES 6205 (250:205)	Educational Research	3
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Professional Studies 3 or 6

Thesis Option (6 hours)

EDPSYCH 6299 (200:299)	Research
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Non-Thesis Option (3 hours)

EDPSYCH 6285 (200:285)	Readings
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EDPSYCH 6288	M.A.E. Practicum in Education and Psychology
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EDPSYCH 6299 (200:299)	Research
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Context and Techniques of Assessment:

Educational Psychology:

EDPSYCH 4176/5176 (200:176g)	Learning and Behavioral Problems in Education	3
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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
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.**

Successful completion of a final oral comprehensive examination is required for **both the thesis and non-thesis options**.

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 or 6
Thesis Option (6 hrs)		
Non-thesis Option (3 hrs)		

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	8-12

On-campus cohort candidates should follow these three professional components when selecting coursework. However, online cohorts and non-cohort candidates may take the following seven courses (3 hours each) to fulfill the professional components:

Educational Psychology:		
EDPSYCH 4176/5176 (200:176g)	Learning and Behavioral Problems in Education	
EDPSYCH 4188/5188 (200:188g)	Current Approaches to Multicultural Education	
EDPSYCH 6235 (200:235)	Theories of Human Development	
Educational Leadership:		
EDLEAD 6282 (270:282)	Leading School Growth and Improvement	
Elementary Education and Early Childhood:		
ELEMECML 6201 (210:201)	Issues and Trends in Curriculum	
Instructional Technology		
INSTTECH 6240 (240:240)	Understanding Instructional Design	

On-campus candidates are not precluded from using courses on this list to fulfill any or all of their professional component elective credit hours.

Thesis option total	36
Non-thesis option total	33

List of Programs by Department

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
Counseling & Behavior Modification		
One of the following:		3
COUN 6254 (290:254)	Counseling Children and Adolescents	
PSYCH 6407 (400:272)	Evidence Based Treatment	
Thesis Option		6
EDPSYCH 6299 (200:299)	Research	
Non-Thesis Option		3
MEASRES 6260	Monitoring Progress in Individuals and Groups	
Total hours		36-39

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.)**
 - 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.

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
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)	Corporation Finance	3
Economics:		
ECON 1011 (920:070)	Business Statistics	3
ECON 1021 (920:020)	Introduction to Decision Techniques	3
ECON 1041 (920:053)	Principles of Macroeconomics	3
ECON 1051 (920:054)	Principles of Microeconomics	3
Required Finance		
FIN 3135 (160:161)	Intermediate Financial Management	3
FIN 3160/5160 (160:152g)	Principles of Investments	3
FIN 4145 (160:171)	Advanced Financial Management	3
Emphasis Requirements		
Students select one area of emphasis below		
Total Hours		57

Emphases:

Financial Management

Electives		
Finance:		
FIN 3032/5032 (160:158g)	International Financial Management	3
FIN 3034 (160:154)	Financial Information Systems and Analysis	3
FIN 3055 (160:163)	Insurance Company Operations	3
FIN 3065/5065 (160:157g)	Fixed Income Analysis	3
FIN 3125 (160:141)	Real Estate Finance *	3
FIN 3170/5170 (160:153g)	Commercial Bank Management	3
FIN 4140/5140 (160:156g)	Topics in Financial Management (sections 1, 2, 3, and 4)	3
Economics:		

List of Programs by Department

ECON 2132 (920:113)	Money and Banking	
Total Hours		9

Investments

Required

Finance:		
FIN 4140/5140 (160:156g)	Topics in Financial Management (section 2)	3
FIN 4140/5140 (160:156g)	Topics in Financial Management (section 3)	3

Electives

Finance:		
FIN 3032/5032 (160:158g)	International Financial Management	
FIN 3034 (160:154)	Financial Information Systems and Analysis	
FIN 3065/5065 (160:157g)	Fixed Income Analysis	
FIN 3125 (160:141)	Real Estate Finance *	
FIN 3170/5170 (160:153g)	Commercial Bank Management	
Total Hours		9

Financial Institutions

FIN 3125 (160:141)	Real Estate Finance	3
FIN 3170/5170 (160:153g)	Commercial Bank Management	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 3065/5065 (160:157g)	Fixed Income Analysis	
Economics:		
ECON 2132 (920:113)	Money and Banking	
Total Hours		9

Personal Wealth Management

Required Courses

FIN 3050 (160:162)	Risk Management and Insurance	
FIN 3040	Introduction to Personal Financial Planning	
FIN 4040	Personal Wealth Management	
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:		
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)	Corporation Finance	3
Economics:		
ECON 1011 (920:070)	Business Statistics	3
ECON 1021 (920:020)	Introduction to Decision Techniques	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

List of Programs by Department

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)	Corporation Finance *	3
FIN 3160/5160 (160:152g)	Principles of Investments	3

Electives 9

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 3

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	
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Economics:

ECON 3253/5253 (920:148g)	Urban and Regional Economics	
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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

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
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Electives from the following 3

Marketing:		
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 3153 (130:153)	Personal Selling	

List of Programs by Department

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)	Corporation 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

* 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)	Corporation 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.)**
 - 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) Maps and Map Interpretation	
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 (810:114g) GIS Programming (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
GEOG 3210 (970:137)	Natural Hazards and Disasters
GEOG 3220 (970:100)	Environmental Geography

List of Programs by Department

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
MGMT 3919/5919 (150:119g)	Leadership and Human Relations

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

Other courses, in Geography or cognate areas approved, to reach a minimum of 56 hours.

Total hours 56

* 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 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)	Maps and Map Interpretation	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
GEOG 4520/5520 (970:171g)	Issues in the Teaching of 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
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**

List of Programs by Department

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) or STAT 1772 (800:072)	Statistics for Social Research Introduction to Statistical Methods	3
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
or		
GEOG 6286 (970:286) Studies in: GIS		
GEOG 4320/5320 (970:174g)	Geographic Information Systems II	3
GEOG 4360/5360 (970:165g)	Thematic Cartography	3
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

School of Health, Physical Education, and Leisure Services

(College of Education)

www.uni.edu/coe/hpels

The School of Health, Physical Education, and Leisure Services offers the following undergraduate and graduate programs and program certificates. Specific requirements for these programs are listed within this School of Health, Physical Education, and Leisure Services section *by division* within the School, 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 not within a specific division of the School of Health, Physical Education, and Leisure Services.)

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)

Division of Athletic Training -

- **Undergraduate Major (B.A.)**
 - Athletic Training
- **Graduate Major (M.S.)**
 - Athletic Training

Division of 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 Health Disparities

Division of Physical Education -

- **Undergraduate Majors (B.A.)**
 - Movement and Exercise Science
 - Physical Education-Teaching
- **Minors**
 - Coaching
 - Physical Education-Elementary Teaching
- **Graduate Major (M.A.)**

List of Programs by Department

- Physical Education

Division of 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
 - 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 Division, the Health Promotion and Education Division, or the Athletic Training Division in the School of Health, Physical Education, and Leisure 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.

Division of Athletic Training

Academic Standard Policy

Major Requirements

1. **General Explanation:** UNI offers a Professional Undergraduate Athletic Training major that is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Students interested in pursuing this major must apply, and be formally admitted to this program. The application process is slightly different for students currently attending UNI compared to those who plan on transferring to UNI to pursue athletic training as their major. This application is different and separate from the general University admission process. All students should first indicate their interest in majoring in the B.A. Athletic Training major any time *after* their general admission to UNI is complete by submitting the "Declaration of Curriculum" form, and selecting *prospective* Athletic Training major. Then, students should contact the School of HPELS Academic Advisor and the Athletic Training Program (ATP) Director to ensure that their name is added to subsequent contact lists for prospective athletic training majors. Thereafter, students will be considered *prospective* majors and will be expected to attend departmental advising sessions at regularly scheduled intervals. Students will remain prospective students until they successfully complete the ATP admission procedure requirements and are officially admitted into the ATP. All application documents can be downloaded from the ATP Web site at www.uni.edu/coe/departments/school-health-physical-education-leisure-services/athletic-training.
 2. **Prerequisite course:** There is only one prerequisite course required for the ATP, (AT 1010 (42T:023) Introduction to Athletic Training), which we offer every spring semester. Students are typically enrolled in this course while they are applying to the program. Therefore, prior to being admitted to the ATP, a prospective student's course work should be devoted primarily to completing Liberal Arts Core courses and/or electives, in addition to the Introduction to Athletic Training course.
 3. **Application requirements for all students:** To be formally admitted to the UNI Athletic Training Program, students must complete the application process. The following list of items are required as part of the ATP application process. Most of the forms can be found on our web site.
 - a. Completion of, or enrollment in, the Introduction to Athletic Training course (or its equivalent if transferring)
 - b. Application form
 - c. Essay
 - d. Recommendation forms (x 3)
 - e. CPR certification for the professional rescuer
 - f. First Aid Certification
 - g. *30 hours of athletic training observation experience (prospective students are assigned to a student peer mentor for this experience)
 - h. *OSHA/Blood-borne pathogen certification (This must be obtained *before* beginning observation experience at UNI. This training is offered free of charge at UNI every semester.)
 - i. Technical standards form
 - j. Criminal background check (\$15)
 - k. Preferred GPA of 2.5
 - l. Learning objectives (This is *optional* and meant to be completed during the observation experience. They are included within our application forms.)
 - m. Complete an interview with UNI Athletic Training personnel (this is scheduled only after application materials are completed)
4. **Application Process:** Although the requirements are the same, the application process is somewhat different for UNI students and transfer students.
 - a. **Current UNI Students:**
 - Obtain the application documents from the ATP website which are updated annually.
 - Submit all materials by *February 1st to the Athletic Training Program office (HPC 003). (forms)
 - *Submitting application materials after February 1st does not exclude a student from consideration for the upcoming Summer/Fall admission. However, students are encouraged to declare the intentions to our Program Director as soon as possible. A student must be admitted prior to the beginning of the summer session in order to join that year's cohort.
 - Interview: Once a student's application is complete, they will be contacted for an interview.
 - b. **Transfer Students:**
 - Obtain the application documents from the ATP website which are updated annually.
 - Transfer students should submit all materials to the Athletic Training Program office (HPC 003). (forms)
 - Students must be admitted prior to the beginning of the summer session in order to join that year's cohort
 - Interview: Once a student's application is complete, they will be contacted for an interview.
 5. Admission into the athletic training program is competitive, therefore the following criteria shall be used for determination of acceptance as a fully declared Athletic Training major:
 - a. Cumulative grade point average (2.50 minimum GPA preferred)
 - b. AT 1010 (42T:023) Introduction to Athletic Training grade
 - c. Application materials
 - d. Recommendations
 - e. Interview results
 - f. Written Essay
 - g. Athletic Training Observation with a Certified Athletic Trainer (30 hours are required)
 - Student must have Bloodborne pathogen or OSHA training completed PRIOR to beginning observation experience)

List of Programs by Department

- h. Peer Mentoring learning objectives.
 - i. Technical Standards must be met (as outlined in our application packet)
 - j. First Aid and CPR certification
6. A committee of faculty, staff, and students will be assigned to the acceptance committee and will review the applications.
 7. Notification of admittance will be made before the end of Spring semester.
 8. Upon acceptance into the athletic training program, a student will be converted to a **major** status by the department and must do the following within 30 days of notification of acceptance:
 - a. Send a letter of acceptance via email to the Undergraduate ATEP Program Director.
 - b. Begin the Hepatitis B Vaccination series or sign the waiver form.
 - c. Provide physician certification that they are physically capable of handling the duties required of an athletic training student.
 - d. Complete all other paper work available at the ATEP office.
 - e. Maintain current CPR, OSHA, and First Aid certifications and child mandatory reporter training.
 - f. Criminal background check
 - g. Become a student member of the NATA
 9. Students not accepted into the program will be restricted from taking Athletic Training courses beyond AT 1010 (42T:023) Introduction to Athletic Training without departmental permission.
 10. Transfer students entering UNI shall be subject to the admission and acceptance requirements listed above.
 11. To graduate from UNI with an Athletic Training major, students must:
 - a. Maintain a 2.50 cumulative GPA, and 2.75 major GPA
 - Earn a minimum of C+ in all athletic training core courses
 - b. Complete a clinical experience (Clinical Integration) each semester, covering a minimum of four semesters.
 - c. Complete the Undergraduate Athletic Training academic major: This includes that a student be enrolled in the athletic training program for a minimum of four semesters.
 - i. Please note that all students must complete the four semesters of athletic training education and clinical experience that begin after they are admitted to the ATEP. A student may transfer in prior class work and clinical experiences. However, petition forms from the student's previous CAATE accredited athletic training program, specific to the athletic training educational competencies, must be requested by the transferring student. All athletic training specific course transfers will be reviewed and approved at the discretion of the UNI ATEP program director. (Additional transfer student policies are available at the ATEP office.)
 - ii. Transfer students should assume that they will be enrolled in the ATEP for at least four academic semesters after they are admitted to the program.
 - d. Follow the athletic training curricular plan as outlined in the UNI Catalog of courses and mandated by the CAATE.

12. All other program information is available at the athletic training program office (003 HPC) or our Web site www.uni.edu/coe/departments/school-health-physical-education-leisure-services/athletic-training.

Bachelor of Arts Degree Program Athletic Training Major

The Athletic Training 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 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).

Prerequisite core:

Athletic Training:		2
AT 1010 (42T:023)	Introduction to Athletic Training (or the equivalent)	

Required core:

Biology:		8
BIOL 3101 (840:101)	Anatomy and Physiology I *	
BIOL 3102 (840:102)	Anatomy and Physiology II	

Physical Education:

PEMES 3153 (420:153)	Physiology of Exercise **	6
PEMES 3157 (420:157)	Sports Nutrition ***	

Athletic Training: 43-45

AT 3000 (42T:140)	Athletic Training Clinical Integration ^	
AT 3011	Clinical Skills in Athletic Training	
AT 3020	Clinical Anatomy	
AT 3030	Acute Care in Athletic Training	
AT 3040 (42T:137)	Orthopedic Injury Assessment I	
AT 3050 (42T:134)	Orthopedic Injury Assessment II	
AT 3060 (42T:110)	Athletic Training Administration and Professional Development	
AT 3070 (42T:143)	Therapeutic Interventions I	
AT 3080 (42T:157)	Therapeutic Interventions II	

AT 3110 (42T:165)	Psychological Considerations for Athletic Injuries and Rehabilitation
AT 3120 (42T:170)	Clinical Decision Making in Athletic Training and Orthopedic Pathology
AT 3130 (42T:175)	General Medical Conditions
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Total Hours	59-61

- * BIOL 3101 (840:101) Anatomy and Physiology I prerequisites are not required for Athletic Training majors.
- ** PEMES 3153 (420:153) Physiology of Exercise prerequisite is satisfied by PEMES 2050 (420:050) or AT 3020 for Athletic Training majors.
- *** PEMES 3157 (420:157) Sports Nutrition prerequisite is satisfied by AT 3020 for Athletic Training majors.
- ^ 11-13 hrs. - minimum 11 hrs. but may be repeated for maximum of 13 hrs., over five to six semesters

Master of Science Degree Program Major in Athletic Training

The Athletic Training Master of Science degree is designed for those who are NATABOC certified athletic trainers who wish further education in treatment and rehabilitation of the physically active.

The Master of Science in Athletic Training degree is designed for post-professionals that hold the BOC credential who wish to further develop their scholarly clinician knowledge and skills. This program is balanced around didactic, research, and service components focused on: 1) increasing depth and breadth of athletic training subject matter and skills beyond those of the entry-level athletic trainer; 2) enhancing critical thinking to aid knowledge of discipline assumptions and develop understanding of viable alternative assumptions; 3) developing understanding of the theoretical bases of advanced athletic training knowledge and skill; 4) expanding abilities to discover and develop new knowledge; 5) advancing knowledge and skills in preparation for leadership in athletic training; and 6) instilling a responsibility of service to the profession and communities.

Program admission is based on undergraduate GPA, program application materials, and admission to the Graduate College. Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNiverse Student Center To-Do list or contact the Division of Athletic Training (within the School of Health, Physical Education, and Leisure 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.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This degree is offered on the **thesis** and **non-thesis** option. A **minimum of 36 semester credit hours** is required. The thesis option requires 6 hours of AT 6299 (42T:299) and the non-thesis option requires 2 or 3 hours of AT 6299 (42T:299). **A minimum of 21**

semester hours at the 200/6000-level is required for both the thesis and non-thesis options.

Required:		
Athletic Training:		
AT 6210 (42T:210)	Pathoetiology and Orthopaedic Assessment I	2
AT 6220 (42T:220)	Pathoetiology and Orthopaedic Assessment II	2
AT 6240 (42T:230)	Evidence Based Practice I	2
AT 6250 (42T:240)	Evidence Based Practice II	2
AT 6260 (42T:250)	Orthopaedic Surgical Interventions	2
AT 6289 (42T:289)	Seminar in Athletic Training (10 hrs.)	10
AT 6297 (42T:297)	Practicum	4
Health, Physical Education and Leisure Services, Interdepartmental:		
HPELS 6210 (440:210)	Quantitative Methods in HPELS	
HPELS 6290 (440:290)	Research Methods for Health, Physical Education and Leisure Services	
Research:		2-3 or 6
AT 6299 Research Thesis option (6 hrs.)		
Non-thesis option (2-3 hrs.)		
Electives:		0 or 3-4
Thesis option (0 hrs.)		
Non-thesis option (3-4 hrs.)		
Total hours		36

Division of 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:

Health and Fitness Promotion (54 hours)

Women's Health (52 hours)

Global Health and Health Disparities (51 hours)

Environmental Health: Science Intensive (54-55 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,

List of Programs by Department

implement and evaluate programs in a variety of settings, which may include health departments, corporate wellness sites, hospitals/clinics, fitness facilities, nonprofit organizations, international relief organizations, nursing homes, colleges/universities and private industry.

The curriculum is tailored to meet national competencies and prepares students to sit for the National Certified Health Education Specialist (CHES) exam or the Registered Environmental Health Specialist (REHS) exam. Students will take classes on 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.

Required common core for all areas:

Health Promotion and Education:

HPE 1101 (410:005)	Introduction to Public Health	1
HPE 3693 (410:193)	Internship Seminar	1
HPE 4663/5663 (410:163g)	Human Pathophysiology for Health Promotion	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	6-12

(HPE 4768 (410:168) - 6 hrs. for Environmental Health area: 12 hrs. for other areas)

Total Hours 17-23

Choose one of the following four accreditation/credentialing areas:

Accreditation/Credentialing Area - Health and Fitness Promotion

Required:

Health Promotion and Education:

HPE 3118 (410:118)	Teaching Aerobics	1
HPE 4155/5155 (410:155g)	Stress Management	2
HPE 4164/5164 (410:164g)	Health Care and the Consumer	2
HPE 4353/5353 (410:153g)	Public Health Theory and Application	3

HPE 4373/5373	Planning and Evaluation of Public Health/Health Promotion Programs	4
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HPE 4383/5383	Implementation of and Advocacy for Public Health and Health Promotion Programs	4
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HPE 4431/5431 (410:131g)	Worksite Health Promotion	3
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HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	3
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Physical Education:

PEMES 2050 (420:050)	Anatomy and Physiology of Human Movement	3
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PEMES 3153 (420:153)	Physiology of Exercise	3
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PEMES 3156 (420:156)	Fitness Assessment and Programming	3
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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
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HPE 4162/5162 (410:162g)	Introduction to Women's Health	3
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HPE 4328/5328 (410:128g)	Selected Topics in Women's Health	3
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HPE 4353/5353 (410:153g)	Public Health Theory and Application	3
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HPE 4373/5373	Planning and Evaluation of Public Health/Health Promotion Programs	4
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HPE 4383/5383	Implementation of and Advocacy for Public Health and Health Promotion Programs	4
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HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	3
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Electives (6 hours from the following): 6

Family Services:

FAM SERV 1057 (31F:057)	Human Relationships and Sexuality
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FAM SERV 3155/5155 (31F:155g)	Parenting (^)
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FAM SERV 4157/5157 (31F:157g)	Human Sexuality Education (^)
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Psychology:

PSYCH 2201 (400:060)	Psychology of Gender Differences (^)
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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:

List of Programs by Department

LYHS 4055 (430:151)	Financial Resource Management for LYHS Agencies	
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	
Social Science:		
SOC SCI 1020 (900:020)	Women, Men, and Society	
SOC SCI 1045 (900:045)	American Racial and Ethnic Minorities	
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 Health Disparities		
Required:		
Health Promotion and Education:		
HPE 4161/5161 (410:161g)	Global Health Mission (3 hours required)	3
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions	1
HPE 4247/5247 (410:147g)	Minority Health	2
HPE 4353/5353 (410:153g)	Public Health Theory and Application	3
HPE 4373/5373	Planning and Evaluation of Public Health/Health Promotion Programs	4
HPE 4383/5383	Implementation of and Advocacy for Public Health and Health Promotion Programs	4
HPE 4438/5438 (410:138g)	International Health	2
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	3
Electives (select 6 hours from the following):		6
Health Promotion and Education:		
HPE 2120 (410:020)	Maternal and Infant Health	
HPE 3650 (410:152)	Complementary, Alternative, and Integrative Health	
HPE 4125/5125 (410:125g)	Aging and Health	
Social Work:		
SW 4163/5163 (450:163g)	Diversity and Difference	

Communication Studies:		
COMM 4344/5344 (48C:151g)	Intercultural Communication	
Anthropology:		
ANTH 3101/5101 (990:164g)	Psychological Anthropology	
ANTH 3102/5102 (990:168g)	Culture, Disease, and Healing	
ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective	
Total Hours for Global Health and Health Disparities Area		51
Accreditation/Credentialing Area - Environmental Health: Science Intensive		
Required:		
Health Promotion and Education:		
HPE 4580/5580 (410:180g)	Environmental Health, Field Methods, Technology, and Laboratory Applications (#)	3
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	3
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 a minimum of 11 hours from the following):		11
Health Promotion and Education:		
HPE 2120 (410:020)	Maternal and Infant Health	
HPE 3650 (410:152)	Complementary, Alternative, and Integrative Health	
HPE 4164/5164 (410:164g)	Health Care and the Consumer	
HPE 4247/5247 (410:147g)	Minority Health	
HPE 4438/5438 (410:138g)	International Health	
Biology##:		
BIOL 3140 (840:140)	Genetics	
BIOL 3147 (840:147)	Cancer and Emerging Infectious Diseases	
BIOL 3170 (840:170)	Entomology	

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BIOL 4150/5150 (840:150g)	Immunology	
BIOL 4155/5155 (840:155g)	Ecotoxicology	
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		54-55

Minors

Health Education Minor-Teaching

Current First Aid and CPR certification is required of all minors prior to student teaching.

Required:		26
Methods course:		2-3
HPELS 2045 (440:045)	Health and Physical Education for Elementary Teachers *	
or HPE 3240 (410:140)	Secondary School Health Education Methods	
Educational Psychology:		2-3
EDPSYCH 4118/5118 (200:118g)	Mental Health and Well-Being in the Classroom	
or HPE 4155/5155 (410:155g)	Stress Management	
Applied Human Sciences, School of:		3
FAM SERV 1020 (31F:020)	Family Relationships **	
or FAM SERV 1057 (31F:057)	Human Relationships and Sexuality	
Psychology:		3
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	
Health Promotion and Education:		11
HPE 1101 (410:005)	Introduction to Public Health	
HPE 3344 (410:144)	Health Education Curriculum	
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	
or PEMES 2053 (420:053)	Physical Activity and Nutrition for Health and Fitness	

HPE 4186/5186 (Studies in Health Promotion:
Human Pathophysiology for School Health
Educators)

HPE 4164/5164 Health Care and the Consumer
(410:164g)

or HPELS 1010 Personal Wellness
(440:010)

or HPELS 1059 Dimensions of Well-Being (2 hrs.)

Electives: Remaining hours of health-related electives
for the K-8 and 5-12 endorsement to total a minimum of
26 hours. ***

* HPELS 2045 for the K-8 endorsement and HPE 3240 for
the 5-12 endorsement.

** FAM SERV 1020 for K-8 endorsement or FAM SERV
1057 for 5-12 endorsement.

*** Approved electives include EDPSYCH 2030 Dynamics
of Human Development, PEMES 2050 Anatomy
and Physiology of Human Movement, PEMES 3153
Physiology of Exercise or other electives approved by the
Health Education Division.

Health Promotion Minor

Liberal Arts core courses included in minor program
requirements are distinguished by italics.

Required:

Health Promotion and Education:		20
HPE 1101 (410:005)	Introduction to Public Health	
HPE 4164/5164 (410:164g)	Health Care and the Consumer	
HPE 4353/5353 (410:153g)	Public Health Theory and Application	
HPE 4373/5373	Planning and Evaluation of Public Health/Health Promotion Programs *	
HPE 4383/5383	Implementation of and Advocacy for Public Health and Health Promotion Programs	
HPE 4393/5393	Epidemiological Methods, Research Design, and Analysis	
HPE 4663/5663 (410:163g)	Human Pathophysiology for Health Promotion	
Total Hours		20

* 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 the Division of Health Promotion and Education (within the School of Health, Physical Education, and Leisure 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.**

Three emphases are offered on this major:

I. Health Promotion/Fitness Management Emphasis

Required:

Choose one of the following: 3

Health, Physical Education, and Leisure Services,
Interdepartmental:

HPELS 6210 Quantitative Methods in
(440:210) HPELS
or HPELS 6215 Qualitative Methods
(440:215)

Choose one of the following: 3

Measurement and Research:

MEASRES 6205 Educational Research
(250:205)

Health, Physical Education, and Leisure Services, Interdepartmental:		
HPELS 6290 (440:290)	Research Methods for Health, Physical Education and Leisure Services	
Health Promotion and Education:		15
HPE 4393/5393	Epidemiological Methods, Research Design, and Analysis	
HPE 4431/5431 (410:131g)	Worksite Health Promotion	
HPE 4666/5666 (410:166g)	Environmental and Occupational Health Regulations	
HPE 6271 (410:271)	Cardiovascular Physiology	
HPE 6390 (410:290)	Philosophy and Ethics of Public Health and Health Promotion	
Health Promotion Graduate Seminar:		1
HPE 6289 (410:289)	Seminar	
Physical Education:		3
PEMES 6253 (420:253)	Advanced Exercise Physiology	
Management:		
MGMT 3919/5919 (150:119g)	Leadership and Human Relations	3
Research:		2 or 6
HPE 6299 (410:299)	Research	
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:		16
HPE 4167/5167 (410:167g)	Cultural Competency for the Helping Professions	
HPE 4393/5393	Epidemiological Methods, Research Design, and Analysis	
HPE 4431/5431 (410:131g)	Worksite Health Promotion	
HPE 4665/5665 (410:165g)	Environmental Health Science	
HPE 6220 (410:220)	Health Determinants	
HPE 6390 (410:290)	Philosophy and Ethics of Public Health and Health Promotion	
Select one of the following:		3
Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	
Health, Physical Education, and Leisure Services, Interdepartmental:		

List of Programs by Department

HPELS 6290 (440:290)	Research Methods for Health, Physical Education and Leisure Services	
Health Promotion Graduate Seminar: HPE 6289 (410:289) Seminar		1
Research: HPE 6299 (410:299) Research		2 or 6
Thesis option (6 hrs.) Non-thesis option (2 hrs.)		
Electives as approved by the Graduate Committee:		10 or 6
Total hours		32

III. School Health Education Emphasis

Required:		
Health Promotion and Education:		6
HPE 4431/5431 (410:131g)	Worksite Health Promotion	
HPE 6390 (410:290)	Philosophy and Ethics of Public Health and Health Promotion	
Select one of the following:		3
Measurement and Research: MEASRES 6205 (250:205)	Educational Research	
Health, Physical Education, and Leisure Services, Interdepartmental: HPELS 6290 (440:290)	Research Methods for Health, Physical Education and Leisure Services	
Health Promotion Graduate Seminar: HPE 6289 (410:289) Seminar		1
Research: HPE 6299 (410:299) Research		2 or 6
Thesis option (6 hrs.) Non-thesis option (2 hrs.)		
Electives as approved by the Graduate Committee:		19 or 15
Total hours		31

The additional course requirements for this emphasis will be governed largely by teacher licensure requirements.

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 School of Health, Physical Education, and Leisure 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 Pathophysiology for Health Promotion	
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 Evaluation of Public Health/Health Promotion Programs	
HPE 4383/5383	Implementation of and Advocacy for Public Health and Health Promotion Programs	
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 4155/5155 (840:155g)	Ecotoxicology	
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 Health Disparities

Required:		8-11
Health Promotion and Education:		
HPE 4161/5161 (410:161g)	Global Health 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	
Electives (selected two of the following):		6
Leisure Services:		
LYHS 3030 (430:030)	Inclusive Recreation and Diversity in LYHS	
Social Work:		
SW 4142/5142 (450:142g)	Working With Racial and Ethnic Minorities	
Communication:		
COMM 4344/5344 (48C:151g)	Intercultural Communication	
Social Science:		
SOC SCI 1041 (900:041)	Social Welfare: A World View	
Political Science:		
POL INTL 1024 (943:024)	International Relations	
POL INTL 4125/5125 (943:125g)	North-South Relations	
Sociology:		
SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice	
Anthropology:		
ANTH 1002 (990:011)	Culture, Nature, and Society	
ANTH 3001 (990:177)	Language and Culture	
ANTH 3101/5101 (990:164g)	Psychological Anthropology	
ANTH 3102/5102 (990:168g)	Culture, Disease, and Healing	
ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective	
Total Hours		14-17

Division of Physical Education 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.

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	

List of Programs by Department

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.

Physical Education Major-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.

Student teachers must have current First Aid and CPR certification.

Disciplinary Knowledge core:

Physical Education:	20
PEMES 2019	First Aid and CPR for Physical Educators
PEMES 2030	Teaching Physical Education For Learning
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

Pedagogical content:

Physical Education:	14
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:	
Physical Education:	10
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 2021 (420:021)	Movement Activities for Children

Total Hours 44

* Students with a major in Physical Education-Teaching will substitute 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.

Minors

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

List of Programs by Department

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	
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 200:030 within the Professional Education Requirements. 420:118 (Practicum) must be completed prior to student teaching.

Physical Education Minor-Elementary Teaching

This Physical Education minor is designed for students who are elementary majors receiving K-6 endorsement. Students are encouraged to seek advisement from the elementary physical education staff prior to scheduling.

Required:		
Physical Education:		22
PEMES 2013 (420:013)	Fundamental Physical Activities - Dance	
PEMES 2016 (420:016)	Lifetime Activities II (Soccer)	
PEMES 2021 (420:021)	Movement Activities for Children *	
PEMES 2050 (420:050)	Anatomy and Physiology of Human Movement	
PEMES 2056 (420:056)	Introduction to Motor Behavior	
PEMES 3140 (420:140)	Practicum	
PEMES 3151 (420:151)	Introductory Biomechanics	
PEMES 3153 (420:153)	Physiology of Exercise	
PEMES 3173 (420:173)	Teaching Methods Block	

PEMES 4152/5152 (420:152g)	Adapted Physical Education	
Electives:		
Physical Education:		4
PEMES 2013 (420:013)	Fundamental Physical Activities - Dance	
PEMES 2015 (420:015)	Lifetime Activities I	
PEMES 2016 (420:016)	Lifetime Activities II	
PEMES 2053 (420:053)	Physical Activity and Nutrition for Health and Fitness	
PEMES 3132 (420:132)	Dance Curriculum	
PEMES 3140 (420:140)	Practicum	
PEMES 3174 (420:174)	Assessment Processes in Physical Education	
PEMES 3176 (420:176)	Administration and Curriculum Development in Physical Education	
Total Hours		26

* PEMES 2021 (420:021) Movement Activities for Children will substitute for PEMES 2045 (420:045) Physical Education for the Elementary Grades in the Elementary Education major requirement.

Current certification in American First Aid and CPR are required for completion of the Physical Education minor at the time of 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 Division of Physical Education (within the School of Health, Physical Education, and Leisure 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 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.

List of Programs by Department

This major offers two emphases:

1. Teaching/Coaching Emphasis:

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.

Teaching and coaching are respectively the primary and the secondary focuses of the program. The program does not lead to a teaching license in Physical Education.

Required:

Measurement and Research/Health, Physical Education, and Leisure Services, Interdepartmental: 6

HPELS 6290 Research Methods for Health, Physical Education and Leisure Services (440:290)

Choose one of the following:

MEASRES 6205 Educational Research (250:205)

HPELS 6210 Quantitative Methods in HPELS (440:210)

HPELS 6215 Qualitative Methods (440:215)

Physical Education: 9

PEMES 6230 Curriculum Theory and Design in Physical Education (420:230)

PEMES 6231 Effective Teaching in Physical Education (420:231)

PEMES 6273 Contemporary Issues in Physical Education and Athletics (420:273)

Physical Education: 2

PEMES 6297 Practicum (420:297)

2 hours

Research: 2 or 6

PEMES 6299 Research (420:299)

Thesis option (6 hrs.)

Non-thesis option (2 hrs.)

Electives from the following courses: 7 or 11

PEMES 6251 Biomechanics (420:251)

PEMES 6255 Motor Control and Learning (420:255)

PEMES 6285 Readings in Physical Education (420:285)

PEMES 6289 Seminar in Physical Education (maximum 12 hours on different topics) (420:289)

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, and is available on the **thesis** and **non-thesis** options. **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 Biomechanics (420:251)

PEMES 6253 Advanced Exercise Physiology (420:253)

PEMES 6260 Laboratory Instrumentation and Test Interpretation (420:260)

Health, Physical Education, and Leisure Services, Interdepartmental: 6

HPELS 6210 Quantitative Methods in HPELS (or equivalent) (440:210)

HPELS 6290 Research Methods for Health, Physical Education and Leisure Services (440:290)

Physical Education: 6

PEMES 6289 Seminar in Physical Education (on different topics) (420:289)

Research: 2 or 6

PEMES 6299 Research (420:299)

Thesis option (6 hrs.)

Non-thesis option (2 hrs.)

Electives from the following courses: 3 or 7

PEMES 6222 Sport Psychology (420:222)

PEMES 6255 Motor Control and Learning (420:255)

PEMES 6271 Cardiovascular Physiology (420:271)

PEMES 6285 Readings in Physical Education (420:285)

PEMES 6289 Seminar in Physical Education (maximum 6 hours in addition to required hours on different topics) (420:289)

PEMES 6297 Practicum (420:297)

Thesis option (3 hrs.)

Non-thesis option (7 hrs.)
 Total hours 30

Sport and Exercise Psychology Focus:

Required:
 Physical Education: 12

PEMES 6222 (420:222)	Sport Psychology
PEMES 6251 (420:251)	Biomechanics
PEMES 6255 (420:255)	Motor Control and Learning
PEMES 6273 (420:273)	Contemporary Issues in Physical Education and Athletics

Health, Physical Education, and Leisure Services, Interdepartmental: 6

HPELS 6210 (440:210)	Quantitative Methods in HPELS (or equivalent)
HPELS 6290 (440:290)	Research Methods for Health, Physical Education and Leisure Services

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: 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 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 6218 (170:218)	Organization and Governance of Postsecondary Education
POSTSEC 6270 (170:270)	College Student Development
Thesis option (3 hrs.)	
Non-thesis option (7 hrs.)	
Total hours	30

Division of 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.

List of Programs by Department

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

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 the Division of Leisure, Youth and Human Services (within the School of Health, Physical Education, and Leisure 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

Health, Physical Education, and Leisure Services,
Interdepartmental:

HPELS 6215 Qualitative Methods
(440:215)

HPELS 6290 Research Methods for Health,
(440:290) Physical Education and
 Leisure Services

Sociology:

SOC 4025/5025 Social Data Analysis
(980:160g)

Statistical Analysis course: 3

Health, Physical Education, and Leisure Services,
Interdepartmental:

HPELS 6210 Quantitative Methods in
(440:210) HPELS

Research: 3 or 6

LYHS 6299 Research
(430:299)

Thesis option (6 hrs.)

Non-thesis option (3 hrs.)

Leisure, Youth and Human Services: 6

LYHS 6200 Historical and Philosophical
(430:240) Foundations of Leisure, Youth
 and Human Services

At least one of the following:

LYHS 6201 Social Policy and Issues in
(430:201) Leisure, Youth and Human
 Services

LYHS 6202 Social Psychology of Leisure
(430:202)

Select from the following of 18

PEMES/420:xxx/5xxx/6xxx,
LYHS/430:xxx/5xxx/6xxx, HPELS/440:xxx/5xxx/6xxx
or other graduate level courses on campus as approved
by advisor:

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 School of Health, Physical Education, and Leisure 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 Fundamental Physical
(420:011) Activities -- Aquatics

PEMES 2060 Lifeguard Training and
(420:060) Instruction

PEMES 2061 Water Safety Instruction
(420:061)

PEMES 3120 Certified Pool Operators
(420:120)

Leisure, Youth and Human Services: 6

LYHS 2010 Introduction to Leisure, Youth
(430:010) and Human Services

LYHS 3060 Programming for Leisure,
(430:110) 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 Assisting in Physical Activity
(420:168) 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 Areas and Facilities for
(430:168g) Leisure, Youth and Human
 Services

Total Hours 18

List of Programs by Department

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 School of Health, Physical Education, and Leisure Services (319-273-2141).

Required:

Youth and Human Service Administration:		12
LYHS 2335 (430:060)	Principles of Nonprofit and Youth Agencies	
LYHS 3050 (430:114)	Management of Leisure, Youth and Human Services	
LYHS 3337 (430:154)	Human Resource Development for Nonprofit and Youth Agencies	
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	
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 xxxx (420:xxx)		
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	
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 4109/5109 (200:109g)	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 the Leisure, Youth and Human Services Division within the School of Health, Physical Education, and Leisure 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
LYHS 2075 (430:075)	Tourism and Recreation Marketing	
LYHS 2770 (430:070)	Principles of Tourism	
Select two of the following:		6
Leisure, Youth and Human Services:		
LYHS 3774 (430:173)	Conferences, Expositions and Conventions in Tourism	
LYHS 4778/5778 (430:171g)	Community Based Tourism	

LYHS 4779/5779 (430:138g)	Community Planning Workshop	
Select one of the following:		3
Leisure, Youth and Human Services:		
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 4779/5779 (430:138g)	Community Planning Workshop	
Health, Physical Education, and Leisure Services, Interdepartmental:		
HPELS 3120 (440:120)	Technology Integration for the HPELS Professional	
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) Tourism and Recreation Marketing.

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
- **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

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

Electives in history (must be 100/3000/4000-level) 27

European history (12 hours)

Must include one course from Category A:

HISEUA 4310/5310 History of Ancient Greece (962:101g)

HISEUA 4320/5320 History of Ancient Rome (962:103g)

HISEUA 4330/5330 History of Classical Civilization (962:123g)

HISEUA 4340/5340 Medieval Civilization (962:152g)

HISEUA 4350/5350 The Renaissance and Reformation (962:153g)

HISEUA 4360/5360 Age of Absolutism and the Enlightenment (962:158g)

HISEUA 4420/5420 History of Ireland (962:126g)

HISEUA 4440/5440 English History to 1688 (962:164g)

HISEUA 4460/5460 History of Germany to 1648 (962:171g)

HISEUA 4480/5480 The Ancient Near East (962:151g)

Must include one course from Category B:

HISEUB 4510/5510 Europe from the French Revolution to World War I (963:155g)

List of Programs by Department

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 4710/5710 (964:176g)	Colonial Latin American History
HISNW 4720/5720 (964:180g)	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

Total Hours 43

* All History majors must successfully complete Category 2A of the Liberal Arts Core.

** 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

SOC SCI 3190	Introduction to Teaching Social Studies	1
SOC SCI 4190 (900:190)	Methods of Teaching Social Studies	3

Humanities 3

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

Electives in history (must be 100/3000/4000-level) 24

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)	History of Classical Civilization
HISEUA 4340/5340 (962:152g)	Medieval Civilization

List of Programs by Department

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 4710/5710 (964:176g)	Colonial Latin American History
HISNW 4720/5720 (964:180g)	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 (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.

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; 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 in History	3-12
HIST 6050 (960:290)	Historical Methods	3
HIST 6288	Seminar: Topics in World Historiography	3-6
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 in History	3-12
HIST 6050 (960:290)	Historical Methods	3
HIST 6288	Seminar: Topics in World Historiography	3-6
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 on the **thesis or thesis project** option only. **A minimum of 30 semester hours is required, of which a minimum of 18 hours of 200/6000-level course work (including 6 hours of HIST 6299 (960:299) is required.** As a prerequisite for admission to this program, student must have a B.A. in history or at least nine credit hours of history.

Successful defense of the thesis or thesis project is required.

Required

History

HIST 4010/5010 (960:106g)	Applying History: The Public Alternative	3
HIST 6030 (960:280)	Seminar in History	3-6
HIST 6050 (960:290)	Historical Methods	3
HIST 6288	Seminar: Topics in World Historiography	3-6
HIST 6289 (960:289)	Seminar in United States Historiography	3

Internship

HIST 4030/5030 (960:132g)	Internship in Historical Studies	6
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Research

HIST 6299 (960:299)	Research	6
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Electives (may take one course, up to 3 hours, outside the field of history) 0-3

Total hours		30
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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)	Applying History: The Public Alternative	3
Two history courses at the 100/3000-level or above		6
Select two semesters from the following:		
HIST 3179 (960:179)	Cooperative Education	3
HIST 4030/5030 (960:132g)	Internship in Historical Studies	3

Total Hours		15
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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 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
- Women's and Gender Studies 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 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

List of Programs by Department

^ 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 9

Select three of the following gerontology core courses:

School of Applied Human Sciences

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

Psychology: *

PSYCH 3204/5204 Psychology of Aging
(400:173g)

Health Promotion and Education: *

HPE 4125/5125 Aging and Health
(410:125g)

Sociology: *

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

Research Methods 3-4

Choose one of the following research methods courses:

School of Applied Human Sciences:

FAM SERV 1030 Research Methods in Family
(31F:030) Science

Leisure, Youth and Human Services:

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

Psychology:

PSYCH 3002 Research Methods
(400:101)

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 Management of Family
(31F:077) Resources

FAM SERV Family Relationships in Crisis
4153/5153
(31F:153g)

FAM SERV Issues in Family Policy
3162/5162
(31F:162g)

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

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

Development courses: 3

Choose one of the following Development courses:

School of Applied Human Sciences:

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

Psychology:

PSYCH 2202 Developmental Psychology
(400:120)

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

PHIL 2500 Ethics

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

Communication Studies

COMM 4236	Ethics in Communication	
(48C:128)		
Gerontology elective courses:		9
Choose three of the following Gerontology courses:		
Social Work:		
SW 4173/5173	Social Services for Older Adults	
(450:173g)		
Sociology:		
SOC 3065/5065	Health, Illness, and Dying	
(980:118g)		
Anthropology:		
ANTH 3102/5102	Culture, Disease, and Healing	
(990:168g)		
ANTH 3202/5202	Human Biological Variation	
(990:152g)		
World Religions/Philosophy:		
RELS/PHIL 3110/CAP 3194	Perspectives on Death and Dying	
(CAP:194)		
Health Promotion and Education:		
HPE 4353/5353	Public Health Theory and Application	
(410:153g)		
Communication Sciences and Disorders:		
CSD 1000 (51C:006)	Understanding Communication Disorders	
School of Applied Human Sciences:		
INTDSGN 3129	Interior Design Standards	
(31I:129)		
Communication Studies:		
COMM 4116/5116	Health Communication	
(48C:138g)		
Gerontology:		
GERO 3161/5161	Families, Alzheimer's and Related Dementias	
or FAM SERV 3150/5150	Families, Alzheimer's and Related Dementias	
3161/5161		
Internship		4
Senior Seminar, Gerontology:		
GERO 4193	Internship Seminar (1 hr.)	
(31G:193)		
GERO 4195	Internship in Gerontology (Social Sciences track section - 3 hrs.)	
(31G:195)		
Total Hours		34-35

- * Courses may be used to meet requirements in either Gerontology Core or Curriculum Cluster, but not both.
- ** Due to prerequisites, the total number of credit hours required to complete this major may be 40-41.

Long Term Care Track

Required

Business courses		12
Select at least one of the following from business group 1:		

Accounting:		
ACCT 2120	Principles of Financial Accounting	
(120:030)		
ACCT 2130	Principles of Managerial Accounting	
(120:031)		
Select at least one of the following from business group 2		
Management:		
MGMT 3100	Legal and Social Environment of Business	
(150:100)		
MGMT 3101	Business Law	
(150:101)		
MGMT 3905/5905	Employment and Labor Law	
(150:105g)		
MGMT 3153	Organizational Management	
(150:153)		
MGMT 3966/5966	Staffing and Employee Development	
(150:166g)		
Gerontology core		9
Select three of the following from Gerontology core		
School of Applied Human Sciences:		
FAM SERV 3150/5150	Families and Aging	
(31F:150g)		
GERO 3161/5161	Families, Alzheimer's and Related Dementias	
or FAM SERV 3161/5161	Families, Alzheimer's and Related Dementias	
Psychology:		
PSYCH 3204/5204	Psychology of Aging	
(400:173g)		
Health Promotion and Education:		
HPE 4125/5125	Aging and Health	
(410:125g)		
Sociology:		
SOC 3035/5035	Social Gerontology	
(980:125g)		
Required Health Care Administration		5
School of Applied Human Sciences:		
GERO 4170/5170	Long Term Care Administration	
(31G:170g)		
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	3
Social Work:		
SW 4172/5172	Human Services Administration	
(450:172g)		
SW 4173/5173	Social Services for Older Adults	
(450:173g)		
Health Promotion and Education:		
HPE 1101 (410:005)	Introduction to Public Health	

List of Programs by Department

HPE 4164/5164 (410:164g)	Health Care and the Consumer	
HPE 4353/5353 (410:153g)	Public Health Theory and Application	
HPE 4186/5186 Guided Independent Study course "Medical Terminology for the Medical Professions, 2 hrs.		
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		

^^ 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

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:		
HPE 4125/5125 (410:125g)	Aging and Health	
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 *	
FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis *	
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 (48C:138g)	Health Communication	
Health Promotion and Education:		
GERO 2111	Families and End of Life Issues	
or FAM SERV 2111	Families and End of Life Issues	
HPE 4353/5353 (410:153g)	Public Health Theory and Application *	
School of Applied Human Sciences:		
INTDSGN 3129 (31I:129)	Interior Design Standards	
Social Work:		
SW 4173/5173 (450:173g)	Social Services for Older Adults *	
Sociology:		
SOC 3065/5065 (980:118g)	Health, Illness, and Dying *	
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		18

* These courses have additional prerequisites as follows:
 FAM SERV 3150/5150 (31F:150g) has prerequisites of FAM SERV 1020 (31F:020); *EDPSYCH 2030 (200:030)* or FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); junior standing.
 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.
 HPE 4125/5125 (410:125g), RELS 3510 (640:173)/PHIL 3510 (650:173)/CAP 3173 (CAP:173), RELS 3110 (640:194)/PHIL 3110 (650:194)/CAP 3194 (CAP:194) have a prerequisite of 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 2077 (31F:077) has prerequisite of sophomore standing.
 FAM SERV 4153/5153 (31F:153g) has prerequisite of FAM SERV 1020 (31F:020); 3 hours social science research methods; junior standing.
 FAM SERV 3162/5162 (31F:162g) has prerequisite of FAM SERV 1020 (31F:020); junior standing.
 COMM 4116/5116 (48C:138g) and HPE 4353/5353 (410:153g) have prerequisite of junior standing.
 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.
 SOC 3065/5065 (980:118g) has a prerequisite of SOC 1000 (980:001) and junior standing.
 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 (see course descriptions for 4-digit numbers associated with 100-level 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)	Culture, Nature, and Society
Geography:	
GEOG 1120 (970:010)	Human Geography
or GEOG 1110 (970:040)	World Geography
Required	3
Select one of the following:	
Political Science:	
POL INTL 1024 (943:024)	International Relations
or POL COMP 1040 (944:040)	Comparative Politics
Total Hours	6

II. THEMATIC AREA (12 hours)

Choose in consultation with a Global Studies faculty advisor.

List of Programs by Department

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 THRY 3122 (941:122)	Theories of Democracy
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 *

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
ANTH 3410/5410 (990:148g)	Applied Anthropology *

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 3410/5410 (990:148g) has prerequisite of *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*, either of 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
Biology:	
BIOL 4167/5167 (840:167g)	Conservation Biology *
Geography:	
GEOG 3220 (970:100)	Environmental Geography
Electives	6
Select two from the following:	
Philosophy:	
PHIL/RELS 2550	Environmental Ethics
Humanities:	
HUM 3189/5189 (680:189g)	Seminar in Environmental Problems
Environmental Science:	
ENV SCI 4665/5665 (830:165g)	Environmental Health Science
Biology:	
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
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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)	Language and Culture
or SOC 3001 (980:177)	Language and Culture
Communication Studies:	
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems *
or COMM PR 4822/5822 (48P:170g)	Global Public Relations
Electives	6
Select two from the following:	
Management:	
MGMT 3914/5914 (150:114g)	Communication Management *
Communication Studies:	

List of Programs by Department

COMM 4344/5344 (48C:151g)	Intercultural Communication
COMM 4346/5346 (48C:153g)	Gender Issues in Communication
COMM J 4754/5754 (48J:151g)	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:**
 MGMT 3914/5914 (150:114g) has prerequisite of *ENGLISH 1005 (620:005)* or *ENGLISH 2015 (620:015)*, either of which will satisfy LAC Category 1A.
 COMM J 4754/5754 (48J:151g) 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 Health 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)
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
History:	
HISEUB 4690/5690 (963:161g)	Modern European Women's History
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
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
Sociology:	
SOC/ANTH 3102	Culture, Disease, and Healing *
Electives	7
Health Promotion:	
HPE 4161/5161 (410:161g)	Global Health 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
Environmental Science:	
ENV SCI/HPE 4665	Environmental Health Science
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
Languages and Literatures (French):	
FREN 4008/5008 (720:108g)	Special Topics in Francophone Culture *
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:	
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
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
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:	

List of Programs by Department

POL COMP 3162 (944:162)	Politics of East Asia
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
Political Science:	
POL COMP 3167 (944:167)	Latin American Politics
Required (see restriction) **	3
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 **
Electives (see restriction) **	9
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 4710/5710 (964:176g)	Colonial Latin American History
HISNW 4720/5720 (964:180g)	Latin American History
Anthropology:	
ANTH 3302 (990:142)	Archaeology of the New World *
Total Hours	15

- * **These courses listed above have additional prerequisites as follows:**
- SPAN 3012 (780:112) has prerequisite of SPAN 3004 (780:104) or SPAN 3005 (780:105) 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
Humanities:	
HUM 3121 (680:121)	Russia/Soviet Union
History:	
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
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

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)	History of Classical Civilization
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 *
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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) or SPAN 3005 (780:105).
 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 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.

List of Programs by Department

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 (School of Health, Physical Education, and Leisure 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 4192 (680:192)	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, and Real Estate. 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 World Geography
(970:040)

Political Science:

POL INTL 1024 International Relations
(943:024)

International Business core: 12

Marketing:

MKTG 3163 Distribution and Logistics
(130:161)
or MKTG 3176/5176 Global Marketing
(130:177g)

Management:

MGMT 3189 International Management
(150:189)

Financial:

FIN 3032/5032 International Financial
(160:158g) Management
or ECON 3261/5261 International Financial Economics
(920:175g)

Economics:

ECON 3245/5245 International Economics
(920:136g)
or ECON 3249/5249 Economic Development
(920:143g)

International Experience: 0

BUSINESS 3169 International Experience **
(100:169)

Electives

Select one of the following: 2-3

Business, Interdepartmental:

BUSINESS/CAP Socio-Economic Reality of
3155 Central America *

Management:

MGMT 3161 Supply Chain and Purchasing
(150:161)

Political Science:

POL INTL Politics of the Global
4119/5119 Economy
(943:119g)

POL INTL 3143 International Law
(943:143)

POL INTL 3145 International Organizations
(943:145)

Sociology:

SOC 3411/5411 Gender in Cross-Cultural
(980:167g) Perspective

Criminology:

CRIM 4262/5262 Crime, Law, and Justice: A
(982:162g) Global 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 World Geography
(970:040)

Political Science:

POL INTL 1024 International Relations
(943:024)

Business Core 15

Accounting:

ACCT 2120 Principles of Financial
(120:030) Accounting

Marketing:

MKTG 2110 Principles of Marketing
(130:101)

Management:

MGMT 3100 Legal and Social Environment
(150:100) of Business

MGMT 3153 Organizational Management
(150:153)

Economics:

ECON 1031 Introduction to Economics
(920:024)

International Business core 8-9

Management:

List of Programs by Department

MGMT 3189 (150:189)	International Management	
International electives:		
Select two from the following:		
Business, Interdepartmental:		
BUSINESS/CAP 3155	Socio-Economic Reality of Central America *	
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, and Real Estate.

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/Literature (required):		
HUM 3121 (680:121)	Russia/Soviet Union	

or SLAV 1120 (770:031)	Introduction to Russian Literature in Translation	
Political Science:		
POL COMP 3123 (944:123)	Nationalism	
or POL COMP 3164 (944:164)	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 Russian (SLAV 2002 (770:012)) or an equivalent fourth-semester course in another 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.

Women's and Gender Studies Minor

Women's and Gender Studies 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.

List of Programs by Department

Required

Humanities:		
WGS 1040 (680:040)	Women's and Gender Studies: Introduction	3

Electives: 15

Anthropology:		
ANTH 3104/ PSYCH 4608/5608 (400:167g)/ SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective *	

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	
HISUS 4280/5280 (961:143g)	United States Labor 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:		
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PHIL 3010/CAP 3151 (CAP:151)	Money, Sex and Power: Theories of Race, Class and Gender
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Psychology:	
PSYCH 2201 (400:060)	Psychology of Gender Differences *
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 3130	Religion and Sexuality
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 3195/5195 (900:195g)	Internship in Women's and Gender Studies *

Total Hours	18
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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 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
LYHS 6410 (430:220) Evaluation, Research and Accountability	3
LYHS 6420 (430:249) Trends and Issues in Philanthropy/Nonprofit Development	3
LYHS 6408 (430:251) Financial Decision Making for Youth/Human Service Agencies	3
Communication Studies:	
COMM PR 4855/5855 (48P:182g) Public Relations Campaign Methods	3
Languages and Literatures:	
ENGLISH 4770/5770 (620:104g) Applied Writing: Proposals and Grants	3
Public Policy:	
PUBPOL 6220 (950:220) Public Policy, Advocacy and Public Funding	2
Leisure, Youth and Human Services:	
LYHS 6285 (430:285) Readings	1
LYHS 6299 (430:299) Research	3
Total Hours	30

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
PHIL 6010 (650:250)	Critical Perspectives on Gender
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 Methods
or ANTH 4015/5015 (990:178g)	Qualitative Research Methods
INTDEPED 7305 (190:305)	Qualitative Methods in Educational Research
MEASRES 7301 (250:301)	Advanced Experimental Research in Education
HPELS 6210 (440:210)	Quantitative Methods in HPELS
HPELS 6215 (440:215)	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

List of Programs by Department

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 Health 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 and Application	
HPE 4373/5373	Planning and Evaluation of Public Health/Health Promotion Programs	
HPE 4383/5383	Implementation of and Advocacy for Public Health and Health Promotion Programs	
HPE 4438/5438 (410:138g)	International Health	
HPE 7214 (410:319)	Health Disparities	

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)

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 students with interdisciplinary course offerings encompassing the major content areas of sustainability science which allows the 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.** Students pursuing the Certificate in Sustainability must choose electives in consultation with a sustainability faculty adviser, 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 (31I:065)	Introduction to Interior Design	3
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 Manufacturing	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 (210:142g)	Sustainability Applications in Elementary Science Teaching	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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Philosophy:

PHIL 6010 (650:250)	Critical Perspectives on Gender
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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:

List of Programs by Department

POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law
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 3130	Religion and Sexuality
RELS 3150	Women and Christianity
Philosophy:	
PHIL 6010 (650:250)	Critical Perspectives on Gender
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
Practicum that has a gender focus and is advised by a WGS faculty member.	
Total Hours	12

College of Business Administration

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
Topics:		
Select one from the following:		3
Accounting:		
ACCT 6092 (120:280)	Topics in Accounting: Fraud Examination	
Marketing:		
MKTG 6595 (130:280)	Topics in Marketing	
Management:		
MGMT 6280 (150:280)	Topics in Management	
Finance:		
FIN 6280 (160:280)	Topics in Finance	
Total Hours		31

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
Cultural and Political Perspectives		
Select one of the following:		3
Political Science:		
POL INTL 1024 (943:024)	International Relations *	3
Geography:		
GEOG 1110 (970:040)	World Geography *	3
Sociology:		
SOC 1000 (980:001)	Introduction to Sociology *	3
Anthropology:		
ANTH 1002 (990:011)	Culture, Nature, and Society *	3
Foreign Language and History ***		
Select one of the language options below:		5-24
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
RELS 2110	Great Living Religions: Confucianism, Daoism, and Zen	3
HUM 3124 (680:124)	China *	3
POL COMP 3162 (944:162)	Politics of East Asia	3
HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History	3
HISNW 4860/5860 (964:187g)	Modern Chinese History	3
SOC 3102/5102 (980:168g)	Culture, Disease, and Healing	3
French (7-24 hours)		
FREN 1001 (720:001)	Introduction to French Language and Culture I **	3-4
FREN 1002 (720:002)	Introduction to French Language and Culture II **	3-4
FREN 1011 (720:003)	French Communication Practice I **	1-2
FREN 1012 (720:004)	French Communication Practice II **	1-2
FREN 2001 (720:011)	Intermediate French Language and Culture	3

List of Programs by Department

FREN 2011 (720:012)	Intermediate French Communication Practice	1-2
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Select one of the following:

FREN 1120 (720:031)	Introduction to Francophone Literature in Translation *	3
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
GER 2051 (740:111)	Business German	3
GER 3032 (740:132)	The German-American Experience	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

Russian (8-20)

SLAV 1001 (770:001)	Elementary Russian Language and Culture I **	3
SLAV 1002 (770:002)	Elementary Russian Language and Culture II **	3
SLAV 1011 (770:003)	Elementary Russian Practice I **	2
SLAV 1012 (770:004)	Elementary Russian Practice II **	2
SLAV 2001 (770:011)	Intermediate Russian Language and Culture I	3
SLAV 2011 (770:013)	Intermediate Russian Practice I	2

Select one of the following:

HUM 3121 (680:121)	Russia/Soviet Union *	3
SLAV 2002 (770:012)	Intermediate Russian Language and Culture II	3
SLAV 2012 (770:014)	Intermediate Russian Practice II	2
SLAV 1120 (770:031)	Introduction to Russian Literature in Translation	3
POL COMP 3164 (944:164)	Russian and Eurasian Politics	3
HISEUB 4660/5660 (963:169g)	History of Imperial Russia	3
HISEUB 4670/5670 (963:170g)	History of Soviet Russia	3

Spanish (7-20 hours)

SPAN 1001 (780:001)	Elementary Spanish I **	5
SPAN 1002 (780:002)	Elementary Spanish II **	5
SPAN 2001 (780:011)	Intermediate Spanish	5

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
PORT 1031 (790:031)	Introduction to Portuguese and Hispanic Literatures in Translation *	3
POL COMP 3167 (944:167)	Latin American Politics	3
HISNW 4720/5720 (964:180g)	Latin American History	3

Portuguese (5-17 hours)

PORT 1001 (790:001)	Basic Portuguese Language and Culture **	3
PORT 1002 (790:002)	Intermediate Portuguese Studies	3
PORT 1010 (790:010)	Portuguese Practice **	2
PORT 1020 (790:020)	Portuguese Laboratory	2
PORT 1060 (790:060)	Portuguese Language and Culture Studio	2-4

Select one of the following:

HUM 3123 (680:123)	Latin America (required) *	3
PORT 1031 (790:031)	Introduction to Portuguese and Hispanic Literatures in Translation (required) *	3
PORT 3101/5101 (790:101g)	Advanced Portuguese Communications	3
POL COMP 3167 (944:167)	Latin American Politics	3
HISNW 4720/5720 (964:180g)	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)	20th-Century American Novel	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	
Russian: 8-20 hours	
Spanish: 7-20 hours	
Portuguese: 5-17 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

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

List of Programs by Department

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 the Leisure, Youth and Human Services Division, the Health Promotion and Education Division, or the Athletic Training Division in the School of Health, Physical Education, and Leisure 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 access.uni.edu/forms/index.shtml#G. 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) (p. 261) 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 Area office. Normally, such a request is made during the term prior to the administration of the comprehensive requirement.

List of Programs by Department

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/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: 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 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**

List of Programs by Department

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 7311 or EDLEAD 6245 if taken for an Advanced Studies Certificate in Educational Leadership)
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 7389 (190:389)	Doctoral Seminar

Research Methods 9

INTDEPED 7314	Inquiry I
INTDEPED 7316	Inquiry II

Advanced Methods Course:

Choose one or more of the following 3-credit-hour courses:

MEASRES 6270 (250:270)	Educational Program Evaluation
MEASRES 7300 (250:300)	Descriptive Educational Research
MEASRES 7301 (250:301)	Advanced Experimental Research in Education
MEASRES 7310 (250:310)	Advanced Qualitative Methods in Educational Research

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 Applied Health, Recreation and Community Services Core:

HPELS 7410 (430:310)	Critical Theories and Practices I	3
HPELS 7412 (430:312)	Critical theories and Practices II	3
HPELS 7329 (430:329)	Research and Evaluation Seminar (6 credits, 1 hour each semester, required)	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 Dissertation Research (190:399)

Total Hours 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 Curriculum Theory and (210:352) Development

ELEMECML 7354 Curriculum Implementation (210:354) and Evaluation

Curriculum and Instruction Seminar: 3-12

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

Curriculum and Instruction Practicum: 1-4

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

Instructional Technology: 3

INSTTECH 7340 Designing Instructional (240:340) Systems

or INSTTECH 6240 Understanding Instructional Design (240:240)

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 Dissertation Research (190:399)

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

POSTSEC 7389 Seminar in Postsecondary (170:389) 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

POSTSEC 7397 Practicum: Postsecondary (170:397) Education

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

or EDLEAD 6290 Practicum in Principalship (270:290)

or POSTSEC 7391 Internship in Postsecondary Education (170:391)

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

or EDLEAD 6291 Internship (270:291)

Electives chosen from the following: 21

EDLEAD 6206 Orientation to ISSL and (270:206) Educational Leadership

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

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

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

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

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

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

EDLEAD 6290 Practicum in Principalship (270:290)

EDLEAD 6291 Internship (270:291)

EDLEAD 6292 Capstone ISSL (270:292)

EDLEAD 7310 Human Resource (270:310) Administration

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

EDLEAD 7318 Evaluation of Administrators (270:318)

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

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

EDLEAD 7346 School Business Management (270:346)

EDLEAD 7354 Collective Bargaining in the (270:354) Public Sector

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

List of Programs by Department

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	
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Total Hours		60

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
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Total Hours		60

College of Humanities, Arts and Sciences and College of Social and Behavioral Sciences

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 1010 (680:010)	Leadership: Skills and Styles	3
HUM 3110/5110 (680:110g)	Leadership: Concepts and Practice	3
HUM 3188 (680:188)	Seminar on Leadership Development: The Future	2

Electives 6

Two courses approved by Leadership Studies Director.

Total Hours 14

College of Humanities, Arts and Sciences

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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Philosophy:

PHIL 6010 (650:250)	Critical Perspectives on Gender
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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 3130	Religion and Sexuality
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RELS 3150	Women and Christianity
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Philosophy:

PHIL 6010 (650:250)	Critical Perspectives on Gender
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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

College of Social and Behavioral Sciences

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:		
SW 3102/SOC 3090	Conflict Resolution	3
(980:102)/ANTH 3470 (990:102)		
or COMM 4333/5333	Communication and Conflict Management	
(48C:148g)		

Electives: select four courses from the lists below: * 12

Micro Systems track courses

Teaching:		
TEACHING	Human Relations: Awareness and Application	
4170/5170 (280:170g)		
School of Applied Human Sciences:		
FAM SERV 1010	Human Identity and Relationships	
(31F:010)		
FAM SERV 1020	Family Relationships	
(31F:020)		
FAM SERV	Violence in Intimate Relationships	
3145/5145 (31F:145g)		
FAM SERV	Family Relationships in Crisis	
4153/5153 (31F:153g)		
Psychology:		
PSYCH 2201	Psychology of Gender Differences **	
(400:060)		
PSYCH 2203	Social Psychology **	
(400:160)		

PSYCH 3404/5404	Psychology of Human Differences **
(400:106g)	

Social Work:

SW 4143/5143	Stress and Stress Management in the Helping Professions
(450:143g)	

Communication Studies:

COMM 4316/5316	Mediation Theory and Process **
(48C:136g)	
COMM 4344/5344	Intercultural Communication
(48C:151g)	
COMM 4346/5346	Gender Issues in Communication
(48C:153g)	
COMM 4355/5355	Listening
(48C:141g)	
COMM 4447/5447	Performance and Social Change
(48C:108g)	

Macro Systems track courses

Social Work/Social Science:

SW/SOC SCI 1041	Social Welfare: A World View
SW 4163/5163 (450:163g)	
Diversity and Difference **	

Social Science:

SOC SCI 1020	Women, Men, and Society
(900:020)	

Political Science:

POL INTL 3120	International Security
(943:120)	
POL INTL	North-South Relations
4125/5125 (943:125g)	
POL INTL 3126	Human Rights
(943:126)	
POL COMP 3123	Nationalism
(944:123)	

History:

HISEUB 4675/5675	Great Power Diplomacy from the Congress of Vienna to the Present
(963:157g)	

Geography:

GEOG 3220	Environmental Geography
(970:100)	
GEOG 4140/5140	Geopolitics: (Variable Topic)
(970:116g)	

Sociology:

SOC 2040	Social Movements **
(980:156g)	
SOC 2075	Social Psychology **
(980:100g)	
SOC 3045/5045	Social Inequality **
(980:135g)	
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 4163/5163 (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.

Iowa Lakeside Laboratory

(Interinstitutional Program)

www.continuetolearn.uiowa.edu/lakesidelab/

For current information refer to the above Iowa Lakeside Laboratory website.

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
- 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 and Portuguese Studies
- Hispanic Cultures
- International Commerce
- Portuguese Studies
- Post-Colonial and Multicultural Literary Studies
- Russian Language Studies
- Spanish Language Studies
- Spanish for Special Purposes
- Teaching English to Speakers of Other Languages
- Translation: Spanish

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 (5 s.h.); SPAN 1002 (780:002) Elementary Spanish II (5 s.h.); SPAN 2001 (780:011) Intermediate Spanish (5 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:

List of Programs by Department

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 **	

Journalism:

COMM J 4735/5735 (48J:171g)	Advanced Reporting **	
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Complete one of the following:

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)	20th-Century British Novel	
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)	20th-Century American Novel	

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 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 J 4735/5735 (48J:171g) has prerequisite of COMM J 2755 (48J:071).

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:

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: Romantics 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 J 4735/5735 (48J:171g)	Advanced Reporting **	3
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Complete one of the following:

TESOL/Applied Linguistics:

TESOL 4110/5110 (630:130g)	The Structure of English	
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List of Programs by Department

TESOL 4120/5120 Introduction to Linguistics
(630:125g)

Complete one of the following: 3

TESOL/Applied Linguistics:

TESOL 4140/5140 History of the English
(630:143g) Language

TESOL 4310/5310 Modern English Grammar and
(630:195g) Usage

TESOL 4510/5510 Language Development
(630:165g)

TESOL 4710/5710 Applied English Linguistics
(630:190g) for Teachers

Complete all of the following:

Communication:

COMM 1000 Oral Communication 3
(48C:001)

English:

ENGLISH 4920/5920 The Teaching of Writing 3
(620:193g)

ENGLISH 4940/5940 Literature for Young Adults 3
(620:165g)

ENGLISH 4980/5980 The Teaching of English 3
(620:190g)

Literacy Education

LITED 4117/5117 Methods of Teaching Content 3
(230:117g) Literacy at the Middle and
Secondary Levels

**Electives in English literature: complete at least one
course from each group (A, B, and C):**

Within each group, other appropriate topics may be
offered in sections of: *

ENGLISH 3159/4159/5159 (620:159/620:159g)
Experimental course

ENGLISH 3186/4186/5186 (620:186/620:186g)
"Studies in"

ENGLISH Author Seminar:
4188/5188 _____
(620:150g)

ENGLISH Seminar in Literature:
4190/5190 _____
(620:188g)

ENGLISH Genre
4688/5688 Seminar: _____
(620:126g)

Group A: Literature in English to 1800: * 3

ENGLISH Old English Language,
4310/5310 Literature, and Culture
(620:110g)

ENGLISH Early Modern Drama
4315/5315
(620:113g)

ENGLISH English Renaissance
4320/5320
(620:116g)

ENGLISH 18th-Century British Literature
4325/5325
(620:117g)

ENGLISH Chaucer
4370/5370
(620:144g)

ENGLISH Shakespeare
4375/5375
(620:148g)

ENGLISH Milton
4380/5380
(620:147g)

ENGLISH Early American Literature
4410/5410
(620:151g)

Group B: Literature in English since 1800: * 3

ENGLISH British Romantic Writers
4330/5330
(620:118g)

ENGLISH British Victorian Writers
4335/5335
(620:119g)

ENGLISH British Novel to 1900
4340/5340
(620:156g)

ENGLISH 20th-Century British Novel
4345/5345
(620:120g)

ENGLISH The American Renaissance
4420/5420
(620:121g)

ENGLISH American Realism and
4425/5425 Naturalism to WWI
(620:123g)

ENGLISH American Poetry to 1914
4430/5430
(620:153g)

ENGLISH 20th-Century American Novel
4445/5445
(620:124g)

ENGLISH Modern/Postmodern Poetry
4602/5602
(620:134g)

ENGLISH Modern Drama
4615/5615
(620:115g)

Group C: Literary Theory, Film, Cross-Cultural: * 3

ENGLISH 3144 Genocide in Writing and Film

ENGLISH 3148 The Holocaust in Literature
and Film

ENGLISH Environmental Literature
4110/5110

ENGLISH Images of Women in
4120/5120 Literature
(620:128g)

List of Programs by Department

ENGLISH 4140/5140 (620:161g)	Literary Criticism
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 J 4735/5735 (48J:171g) has prerequisite of COMM J 2755 (48J:071).

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.

Required:

Spanish: a minimum of 33 semester hours in Spanish courses more advanced than SPAN 1002 (780:002) , including:

SPAN 3001 Advanced Writing
(780:101)

or SPAN 3050/5050 (780:150g)	Written Communication
or SPAN 3006	Spanish for Heritage Speakers
SPAN 3004 (780:104)	Introduction to Hispanic Literature
or SPAN 3005 (780:105)	Literary Miniatures
SPAN 3007 (780:107)	Introduction to Translation
SPAN 3008/5008 (780:108g)	Introduction to Spanish Linguistics
SPAN 3012 (780:112)	Survey of Spanish American Literature
or SPAN 3018 (780:118)	Survey of Spanish Literature
SPAN 3031 (780:131)	Topics in Spanish American Literature and Culture:
or SPAN 3035 (780:135)	Topics in Literature and Culture of Spain:

27 hours must be in courses numbered 100/3000-level or higher, and including at least two courses from group A and one course from group B:

Group A:

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:

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: _____

Total hours **33***

* 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.

List of Programs by Department

Spanish Major-Teaching

The Spanish 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: a minimum of 38 semester hours as follows:

Methods:

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	2

Spanish:

a minimum of 31 semester hours in Spanish courses more advanced than SPAN 1002 (780:002), including:

SPAN 3001 (780:101)	Advanced Writing	31
or SPAN 3050/5050 (780:150g)	Written Communication	
or SPAN 3006	Spanish for Heritage Speakers	
SPAN 3003 (780:103)	Advanced Conversation and Reading	31
or SPAN 3051/5051 (780:151g)	Advanced Oral Communication	
SPAN 3004 (780:104)	Introduction to Hispanic Literature *	31
or SPAN 3005 (780:105)	Literary Miniatures	
SPAN 3007 (780:107)	Introduction to Translation	31
SPAN 3008/5008 (780:108g)	Introduction to Spanish Linguistics	
SPAN 3012 (780:112)	Survey of Spanish American Literature	31
or SPAN 3018 (780:118)	Survey of Spanish Literature	

at least 27 hours must be in courses numbered 100/3000-level or higher, and including at least two courses from group A and one course from group B:

Group A:

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:

SPAN 3031 (780:131) Topics in Spanish American Literature and Culture:

SPAN 3035 (780:135) Topics in Literature and Culture of Spain:

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: _____

Total hours 41*

*This program begins with SPAN 3001 (780:101)/SPAN 3006 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.

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:

English: literature core-at least one course from each group: 9

Note: ENGLISH 2420 (620:053) may be used for Group B or Group C but not both.

Group A:

ENGLISH 2120 (620:034) Critical Writing About Literature

Group B:

ENGLISH 2320 (620:042) Survey of English Literature I: Beginnings to Early Modernity

ENGLISH 2420 (620:053) Survey of American Literature *

Group C:

ENGLISH 2340 (620:043) Survey of English Literature II: Romantics to Post-Colonialism

ENGLISH 2420 (620:053) Survey of American Literature *

ENGLISH 2520 (620:040)	Multicultural Literature	
Select one of the following:		3
ENGLISH 3710/5710	Craft of Creative Nonfiction	
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	
ENGLISH 4920/5920 (620:193g)	The Teaching of Writing	
Complete all of the following:		
LANG 4740/5740	Approaches to Language Learning and Teaching	3
TESOL 4110/5110 (630:130g)	The Structure of English	3
or TESOL 4120/5120 (630:125g)	Introduction to Linguistics	
TESOL 4340/5340 (630:192g)	Problems In Eng Grammar	3
TESOL 4350/5350 (630:154g)	Phonology	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4540/5540 (630:160g)	Sociolinguistics	3
or TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	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		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 core-at least one course from each group: 9

Note: ENGLISH 2420 (620:053) may be used for Group B or Group C but not both.

Group A:

English:

ENGLISH 2120 (620:034)	Critical Writing About Literature
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Group B:

ENGLISH 2320 (620:042)	Survey of English Literature I: Beginnings to Early Modernity
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ENGLISH 2420 (620:053)	Survey of American Literature *
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Group C:

ENGLISH 2340 (620:043)	Survey of English Literature II: Romantics to Post- Colonialism
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ENGLISH 2420 (620:053)	Survey of American Literature *
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ENGLISH 2520 (620:040)	Multicultural Literature
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Writing course: select one of the following: 3

ENGLISH 3710/5710	Craft of Creative Nonfiction
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ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants
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ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication
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ENGLISH 4920/5920 (620:193g)	The Teaching of Writing
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Complete all of the following courses:

Languages:

LANG 4093 (700:193g)	Technology in Language Education	2-3
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LANG 4740/5740	Approaches to Language Learning and Teaching	3
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LANG 4750	Assessment in Language Learning	3
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TESOL/Applied Linguistics:

TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
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or TESOL 4110/5110 (630:130g)	The Structure of English	
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TESOL 4540/5540 (630:160g)	Sociolinguistics	3
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or TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	
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List of Programs by Department

TESOL 4350/5350 (630:154g)	Phonology	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4340/5340 (630:192g)	Problems In Eng Grammar	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
Total Hours		44-45

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 4770/5770 (620:104g)	Applied Writing: Proposals and Grants	
ENGLISH 4920/5920 (620:193g)	The Teaching of Writing	
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:		
TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
or TESOL 4110/5110 (630:130g)	The Structure of English	
TESOL 4340/5340 (630:192g)	Problems In Eng Grammar	3
TESOL 4350/5350 (630:154g)	Phonology	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	3
or TESOL 4540/5540 (630:160g)	Sociolinguistics	
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
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	1-2
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)	French Civilization	3

or FREN 4025/5025 (720:125g)	Contemporary France	
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 4023/5023 (740:123g)	Cultural History of German-Speaking Countries	3
or GER 4050/5050 (740:150g)	Contemporary Germany and Austria	
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).		

Russian

Russian Emphasis:

Languages:

LANG 4093 (700:193g)	Technology in Language Education	2-3
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Russian:

SLAV 2001 (770:011)	Intermediate Russian Language and Culture I	3
SLAV 2002 (770:012)	Intermediate Russian Language and Culture II	3
SLAV 2011 (770:013)	Intermediate Russian Practice I	2
SLAV 2012 (770:014)	Intermediate Russian Practice II	2
SLAV 3101/5101 (770:101g)	Advanced Russian Language and Culture I	3
SLAV 3102/5102 (770:103g)	Advanced Russian Language and Culture II	3
SLAV 4091 (770:191)	Practicum in Teaching Russian	2
At least one Russian literature course; and electives in Russian more advanced than SLAV 1002 (770:002) and SLAV 1012 (770:004).		

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)	Advanced Writing	3
or SPAN 3006	Spanish for Heritage Speakers	
or SPAN 3050/5050 (780:150g)	Written Communication	
SPAN 3004 (780:104)	Introduction to Hispanic Literature	3
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	
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 4045/5045 (780:145g)	Translation	2-3
or SPAN 4046/5046 (780:146g)	Topics in Language and Culture:	
or SPAN 4047/5047 (780:147g)	Structure of Spanish	
SPAN 4091 (780:191)	Practicum in Teaching Spanish	2

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:

List of Programs by Department

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 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)	20th-Century British Novel
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)	20th-Century American Novel
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)

List of Programs by Department

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: _____	
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
TESOL/Applied Linguistics:		

TESOL 4110/5110 (630:130g)	The Structure of English	3
Literacy Education:		
LITED 4117/5117 (230:117g)	Methods of Teaching Content Literacy at the Middle and Secondary Levels	3
Communication:		
COMM 1000 (48C:001)	Oral Communication	3
Languages and Literatures:		
ENGLISH 4940/5940 (620:165g)	Literature for Young Adults	3
ENGLISH 4980/5980 (620:190g)	The Teaching of English	3
ENGLISH 4920/5920 (620:193g)	The Teaching of Writing	3
Total Hours		33

A minimum cumulative grade point average of 2.40 in courses taken to complete this minor is required.

Interdisciplinary Language Studies Minor: French

The Interdisciplinary Language Studies Minor: French is designed to provide students with the opportunity to gain knowledge in French language, history, literature, business, and culture that will complement the work they are doing in their major field of study. It is particularly appropriate for students majoring in content areas such as art history, history, vocal music, international business, geography, and global studies as it will enrich their content knowledge and offer a global perspective on their subject.

French courses required:

FREN 2001 (720:011)	Intermediate French Language and Culture	3
FREN 2002 (720:051)	Composition	3
FREN 3001/5001 (720:101g)	Advanced Composition	3
French electives: Literature, Language, and Culture courses:		6-9
FREN 3003/5003 (720:103g)	Advanced Conversation	
FREN 3004 (720:104)	Introduction to French Literature	
FREN 3011/5011 (720:111g)	Business French	
FREN 3085/5085 (720:185g)	Introduction to Translation	
FREN 4005/5005 (720:105g)	Stylistics	
FREN 4014/5014 (720:114g)	The World of French Business	
FREN 4021/5021 (720:121g)	Special Topics in Language and Culture	
FREN 4022/5022 (720:122g)	Special Topics in French Literature	

List of Programs by Department

FREN 4061/5061 (720:161g)	French Phonetics	
FREN 4081/5081 (720:181g)	Advanced Business French	
Electives in other fields:		3-6
Art:		
ARTHIST 1111 (600:040)	Survey of Art History I	
ARTHIST 1222 (600:041)	Survey of Art History II	
ARTHIST 4040/5040 (600:145g)	Medieval 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 4350/5350 (600:151g)	Early 20th Century Art	
ARTHIST 4362/5362 (600:152g)	Late 20th Century and Contemporary Art	
Geography:		
GEOG 4110/5110 (970:111g)	Cultural Geography	
History:		
HISEUA 4360/5360 (962:158g)	Age of Absolutism and the Enlightenment	
HISEUB 4510/5510 (963:155g)	Europe from the French Revolution to World War I	
HISEUB 4620/5620 (963:174g)	History of Modern France	
Music:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance *	
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical *	
MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries *	
Philosophy/Religion:		
PHIL 2230	The Age of Reason: Philosophy in the Renaissance and Enlightenment	
PHIL 3330	Death, Sex and the Body: Phenomenology and Foucault	
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:		10-12
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
14-16 hours in Spanish in courses more advanced than SPAN 1002 (780:002)		14-16
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)	Problems In Eng Grammar	
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

Teaching English to Speakers of Other Languages (TESOL) Minor

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)	Phonology	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
TESOL 4340/5340 (630:192g)	Problems In Eng Grammar	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:

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 4340/5340 (630:192g)	Problems In Eng Grammar	3
TESOL 4350/5350 (630:154g)	Phonology	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4540/5540 (630:160g)	Sociolinguistics	3
or TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	
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

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

List of Programs by Department

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 1005 (620:005)	College Writing and Research	0-3
or ENGLISH 2015 (620:015)	Craft of Academic Writing	
or ENGLISH 2120 (620:034)	Critical Writing About Literature	

Or equivalent (satisfaction of LAC Category 1A)

English:

ENGLISH 2770 (620:077)	Introduction to Professional Writing	3
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication	3
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants	3
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	3
ENGLISH 4780/5780 (620:107g)	Professional 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 and Careers	3
Total hours		21-24

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 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)	20th-Century British Novel
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)	20th-Century American Novel
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

List of Programs by Department

ENGLISH 4672/5672 (620:170g)	Electronic Literature	ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____
ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____	ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture
ENGLISH 6110 (620:204)	Topics in Literary Criticism	ENGLISH 4315/5315 (620:113g)	Early Modern Drama
ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice	ENGLISH 4320/5320 (620:116g)	English Renaissance
ENGLISH 6140 (620:208)	Contemporary Literary Theory	ENGLISH 4325/5325 (620:117g)	18th-Century British Literature
ENGLISH 6188 (620:284)	Seminar in Literature	ENGLISH 4330/5330 (620:118g)	British Romantic Writers
ENGLISH 6310 (620:220)	Medieval English Literature	ENGLISH 4335/5335 (620:119g)	British Victorian Writers
ENGLISH 6320 (620:221)	English Renaissance Literature	ENGLISH 4340/5340 (620:156g)	British Novel to 1900
ENGLISH 6330 (620:223)	Restoration and 18th Century English Literature	ENGLISH 4345/5345 (620:120g)	20th-Century British Novel
ENGLISH 6340	19th Century English Literature	ENGLISH 4370/5370 (620:144g)	Chaucer
ENGLISH 6350 (620:226)	Modern English Literature	ENGLISH 4375/5375 (620:148g)	Shakespeare
ENGLISH 6420 (620:231)	American Romantic Literature	ENGLISH 4380/5380 (620:147g)	Milton
ENGLISH 6430 (620:232)	Issues in American Literature, 1865-1914	ENGLISH 4410/5410 (620:151g)	Early American Literature
ENGLISH 6450 (620:234)	Modern American Literature	ENGLISH 4420/5420 (620:121g)	The American Renaissance
ENGLISH 6540 (620:260)	Contemporary Literature	ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI
English electives selected from the following:		ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 3710/5710	Craft of Creative Nonfiction	ENGLISH 4445/5445 (620:124g)	20th-Century American Novel
ENGLISH 3715/5715	Craft of Poetry	ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 3725/5725	Craft of Fiction	ENGLISH 4560/5560 (620:158g)	Asian American Literature
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: _____		

List of Programs by Department

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)	Professional Editing
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects and Careers
ENGLISH 4790/5790 (620:197g)	Professional Writing Practicum: _____
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 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 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

List of Programs by Department

ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI
ENGLISH 4110/5110	Environmental Literature	ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature	ENGLISH 4445/5445 (620:124g)	20th-Century American Novel
ENGLISH 4140/5140 (620:161g)	Literary Criticism	ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____	ENGLISH 4560/5560 (620:158g)	Asian American Literature
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____	ENGLISH 4588/5588	World Literature Seminar: (Topic)
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture	ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4315/5315 (620:113g)	Early Modern Drama	ENGLISH 4615/5615 (620:115g)	Modern Drama
ENGLISH 4320/5320 (620:116g)	English Renaissance	ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature	ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4330/5330 (620:118g)	British Romantic Writers	ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4335/5335 (620:119g)	British Victorian Writers	ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4340/5340 (620:156g)	British Novel to 1900	ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4345/5345 (620:120g)	20th-Century British Novel	ENGLISH 4688/5688 (620:126g)	Genre Seminar:_____
ENGLISH 4370/5370 (620:144g)	Chaucer	ENGLISH 4730/5730	Creative Nonfiction Workshop
ENGLISH 4375/5375 (620:148g)	Shakespeare	ENGLISH 4740/5740 (620:174g)	Poetry Workshop
ENGLISH 4380/5380 (620:147g)	Milton	ENGLISH 4750/5750 (620:175g)	Fiction Workshop
ENGLISH 4410/5410 (620:151g)	Early American Literature	ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication
ENGLISH 4420/5420 (620:121g)	The American Renaissance	ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants
		ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication

List of Programs by Department

ENGLISH 4780/5780 (620:107g)	Professional Editing	
ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects and Careers	
ENGLISH 4790/5790 (620:197g)	Professional Writing Practicum: _____	
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 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 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	
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

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

List of Programs by Department

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**.

Required:

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
Linguistics, grammar and/or translation courses	8
Culture and civilization courses	3
Electives (6 hours of SPAN 6299/780:299 required for thesis option)	6
Total Hours	32

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
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SPAN 6084 (780:284)	Spanish Graduate Summer Symposium: (Topic)
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SPAN 6289 (780:289)	Seminar:
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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
Must be taught in Spanish, with at least one course at 200/6000-level	

Literature courses	8
Must be taught in Spanish, with at least two courses at 200/6000-level	

Electives in Spanish	2
Total Hours	34

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
ENGLISH 6980 (620:291)	Seminar in the Teaching of English	3
English electives in English/Language Arts pedagogy *		12
English electives in literature *		12
English elective in English/Language Arts pedagogy or literature		3
or		
ENGLISH 6299 (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)	Phonology	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)	Problems In Eng Grammar	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.

Students who wish state licensure to teach should request information concerning licensure requirements from the Director of Teacher

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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 on the **non-thesis** option only. A **minimum of 33 semester hours** is required, including a **minimum of 18 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) / PORT 3101/5101 (790:101g) / SLAV 3101/5101 (770:101g) / 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)	Problems In Eng Grammar	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 of which 6 hours must be at the 200/6000-level		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 6007 (720:207)	Contemporary French Speech	
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 4023/5023 (740:123g)	Cultural History of German-Speaking Countries	3
or GER 4050/5050 (740:150g)	Contemporary Germany and Austria	
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:		6-9
Culture and civilization		
Translation		
Linguistics		
Plus courses approved by the graduate Spanish advisor.		3-6
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
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 3000 (740:100)	Teaching German in the Elementary Schools
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 and Portuguese Studies

Required:

SPAN 3004 (780:104)	Introduction to Hispanic Literature	3
or PORT 1031 (790:031)	Introduction to Portuguese and Hispanic Literatures in Translation	
Portuguese courses above PORT 1001 (790:001)		6
Spanish courses above SPAN 1002 (780:002)		6
Total Hours		15

Certificate in Hispanic Cultures

Required:

Spanish:		7
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	

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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 16	

* SPAN 2002 (780:055) has prerequisite of SPAN 2001 (780:011) or equivalent.

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
Management:	
MGMT 3153 (150:153)	Organizational Management 3
MGMT 3189 (150:189)	International Management 3
Advanced writing course: 3	
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
Elective course in business, culture and civilization, or other approved course, in the respective modern language	3
Total Hours 18	

Certificate in Portuguese Studies

Required:

15 semester hours of course work, selected from the following:	15
Portuguese:	
PORT 1001 (790:001)	Basic Portuguese Language and Culture
PORT 1002 (790:002)	Intermediate Portuguese Studies
PORT 1010 (790:010)	Portuguese Practice
PORT 1020 (790:020)	Portuguese Laboratory

PORT 1031 (790:031)	Introduction to Portuguese and Hispanic Literatures in Translation
Or any ENGLISH 1120 (620:031) section cross listed with the following:	
PORT 1031 (790:031)	Introduction to Portuguese and Hispanic Literatures in Translation
PORT 1060 (790:060)	Portuguese Language and Culture Studio
PORT 3101/5101 (790:101g)	Advanced Portuguese Communications
PORT 3109 (790:109)	Bilingual Experiential Learning
PORT 3123/5123 (790:123g)	Multimedia Studies in Culture
PORT 3180/5180 (790:180g)	Topics in _____
Or course pre-approved by department	
Total Hours 15	

A final essay and interview are required.

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: 3-6	
ENGLISH 2520 (620:040)	Multicultural Literature
French:	
FREN 1120 (720:031)	Introduction to Francophone Literature in Translation
Portuguese:	
PORT 1031 (790:031)	Introduction to Portuguese and Hispanic Literatures in Translation
Electives: 9-12	
(To include at least 9 hours of 1xx-level^ courses)	
Languages and Literatures:	
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature
TESOL/Applied Linguistics:	
TESOL 4540/5540 (630:160g)	Sociolinguistics

French:

FREN 4008/5008 (720:108g)	Special Topics in Francophone Culture
FREN 4028/5028 (720:128g)	Special Topics in Francophone Literature

German:

GER 3032 (740:132)	The German-American Experience
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Spanish:

SPAN 3004 (780:104)	Introduction to Hispanic Literature
SPAN 3020 (780:120)	Latin American Culture and Civilization
SPAN 3027 (780:127)	Latinos in the United States

Total hours 15

^ See course descriptions for 4-digit numbers associated with these 100-level courses.

Certificate in Russian Language Studies

Required:

15 semester hours of course work, selected from the following: 15

Russian:

SLAV 1001 (770:001)	Elementary Russian Language and Culture I
SLAV 1002 (770:002)	Elementary Russian Language and Culture II
SLAV 1011 (770:003)	Elementary Russian Practice I
SLAV 1012 (770:004)	Elementary Russian Practice II
SLAV 2001 (770:011)	Intermediate Russian Language and Culture I
SLAV 2002 (770:012)	Intermediate Russian Language and Culture II
SLAV 2011 (770:013)	Intermediate Russian Practice I
SLAV 2012 (770:014)	Intermediate Russian Practice II
SLAV 3091 (770:091)	Bilingual Pre-Practicum
SLAV 3101/5101 (770:101g)	Advanced Russian Language and Culture I
SLAV 3102/5102 (770:103g)	Advanced Russian Language and Culture II

Total Hours 15

A written and/or oral proficiency examination at the discretion of the certificate committee.

Certificate in Spanish Language Studies

Required:

12 semester hours of course work, selected from the following: 12

Spanish:

SPAN 2001 (780:011)	Intermediate Spanish
SPAN 2002 (780:055)	Oral and Written Spanish
SPAN 2053 (780:053)	Spanish for Special Purposes: _____
SPAN 3000 (780:100)	Teaching Spanish in the Elementary School
SPAN 3001 (780:101)	Advanced Writing
or SPAN 3050/5050 (780:150g)	Written Communication
or SPAN 3006	Spanish for Heritage Speakers
SPAN 3002/5002 (780:102g)	Advanced Spanish for Special Purposes: _____
SPAN 3003 (780:103)	Advanced Conversation and Reading
SPAN 3004 (780:104)	Introduction to Hispanic Literature
SPAN 3005 (780:105)	Literary Miniatures
SPAN 3179 (Cooperative Education)	

Total Hours 12

A written and/or oral proficiency examination at the discretion of the certificate committee.

Certificate in Spanish for Special Purposes

A minimum of 12 credit hours beyond SPAN 2001 (780:011) Intermediate Spanish is required.

Required:

Spanish: 7-9

SPAN 2053 (780:053)	Spanish for Special Purposes: _____*
SPAN 3001 (780:101)	Advanced Writing
or SPAN 3050/5050 (780:150g)	Written Communication
or SPAN 3006	Spanish for Heritage Speakers
SPAN 3002/5002 (780:102g)	Advanced Spanish for Special Purposes: _____*

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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List of Programs by Department

SPAN 3008/5008 (780:108g)	Introduction to Spanish Linguistics	
Group B:		
Humanities:		
HUM 3123 (680:123)	Latin America	
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
TESOL/Applied Linguistics:		
TESOL 4110/5110 (630:130g)	The Structure of English	3
or TESOL 4120/5120 (630:125g)	Introduction to Linguistics	
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	3
or TESOL 4540/5540 (630:160g)	Sociolinguistics	
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

Certificate in Translation: Spanish

Required:

15 semester hours of course work, distributed as follows: 15

Courses in translation	
Complementary courses approved by faculty committee	
Total Hours	15

An exam and/or portfolio may be required at the discretion of the certificate committee.

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
 - Business Teaching
- **Minors**
 - General Business Concepts
 - Organizational Leadership

Note: Students majoring in Management, Management Information Systems (MIS) 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, 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, and Business Teaching majors minoring within the CBA must select minors designated for business majors. Management majors with Organizational Leadership emphasis may not minor in Organizational Leadership. No more than one emphasis area may be declared in Management.

To graduate with a major in Management, Management Information Systems, or Business Teaching 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 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)	Corporation Finance	3
Economics:		

ECON 1011 (920:070)	Business Statistics *	3
ECON 1021 (920:020)	Introduction to Decision Techniques *	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.

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 3164 (150:164)	Quality and Process Improvement	
MGMT 3187 (150:187)	Organization Structure and Design	
MGMT 3189 (150:189)	International Management	
MGMT 3905/5905 (150:105g)	Employment and Labor Law	
MGMT 3919/5919 (150:119g)	Leadership and Human Relations	
MGMT 3966/5966 (150:166g)	Staffing and Employee Development	
MGMT 3974/5974 (150:174g)	Business, Ethics, and Society	

Choose one other elective: 3

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	

List of Programs by Department

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 3589/5589 (130:197g)	Experiential Learning in Entrepreneurship
MKTG 4198 (130:198)	Independent Study
MKTG 4595 (130:169)	Internship-Marketing

Human Resource Management

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:		
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

Supply Chain and Operations

Required

Marketing:		
MKTG 3163 (130:161)	Distribution and Logistics	3
Management:		
MGMT 3161 (150:161)	Supply Chain and Purchasing	3
MGMT 3164 (150:164)	Quality and Process Improvement	3
MGMT 4967/5967 (150:167g)	Strategic Supply Management	3

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)	Corporation Finance	3
Economics:		
ECON 1011 (920:070)	Business Statistics *	3

List of Programs by Department

ECON 1021 (920:020)	Introduction to Decision Techniques *	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)	
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.

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
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)	Corporation Finance	3
Economics:		
ECON 1011 (920:070)	Business Statistics *	3
ECON 1021 (920:020)	Introduction to Decision Techniques *	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 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 Instruction in Classroom Contexts	3

List of Programs by Department

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
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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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Economics:

ECON 1031 (920:024)	Introduction to Economics	3
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or equivalent

ECON 1011 (920:070)	Business Statistics *	3
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Total Hours		21
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* 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, 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, and Real Estate 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 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)
 - 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.

List of Programs by Department

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)	Corporation Finance	3
Economics:		
ECON 1011 (920:070)	Business Statistics *	3
ECON 1021 (920:020)	Introduction to Decision Techniques *	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 3586/5586 (130:175g)	Entrepreneurial Strategy	
MKTG 3595 (130:142)	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

List of Programs by Department

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 3583/5583 (130:170g)	Entrepreneurship	
MKTG 3595 (130:142)	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:		
COMM 2555 (48C:025)	Interactive Digital Communication	3
or ENGLISH 2770 (620:077)	Introduction to Professional Writing	
Communication or Management:		
COMM 3055 (48C:132)	Organizational Communication	3

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:		
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.

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)	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.

The purpose of the program is to engage students in active participation in the development of entrepreneurial enterprises. They will do this through a combination of traditional course work specifically directed to entrepreneurial ventures and participation in an entrepreneurial enterprise experience through the development of a business plan for a new venture and an experiential project.

For more information, students should contact 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:		
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List of Programs by Department

MKTG 3153 (130:153)	Personal Selling	3
MKTG 3154	Sales Management	3
Finance:		
FIN 3130/5130 (160:151g)	Corporation 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 I.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.math.uni.edu/

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

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	Modern Algebra II	(800:162g)	
MATH 4900	Senior Mathematics Seminar	(800:194)	
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	Introduction to Statistical Methods	(800:072)	
& MATH 3752/5752 and Introduction to Probability			
		(800:152g)	
STAT 1772	Introduction to Statistical Methods	(800:072)	
& STAT 3771/5771 and Applied Statistical Methods for Research			
		(800:121g)	
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 3600/5600	Euclidean Geometry	(800:166g)	
MATH 3610/5610	Modern Geometries	(800:165g)	
MATH 3630/5630	Differential Geometry	(800:155g)	
MATH 3780/5780	Mathematics of Finance	(800:145g)	
MATH/STAT 3752	Introduction to Probability		
MATH 4641/5641	Topology I	(800:167g)	
MATH 3410/5410	Dynamical Systems: Chaos Theory and Fractals	(800:142g)	
MATH 3425/5425	Differential Equations	(800:149g)	
MATH 3440/5440	Numerical Analysis *	(800:176g)	
MATH 3530/5530	Combinatorics	(800:143g)	
MATH 4460/5460	Introduction to Complex Analysis	(800:156g)	
MATH 3640/5640	History of Mathematics: To the Calculus	(800:180g)	
MATH 4510/5510	Elementary Number Theory	(800:144g)	
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:		
Common core:		15
MATH 1420	Calculus I *	(800:060)
MATH 1421	Calculus II	(800:061)
MATH 2422	Calculus III	(800:062)
MATH 2500	Linear Algebra for Applications	(800:076)
Statistics/Actuarial Science core:		9
STAT 1774	Introductory Statistics for Life Sciences	(800:064)
or STAT 1772 Introduction to Statistical Methods		(800:072)
STAT 3775/5775	Introduction to Mathematical Statistics	(800:174g)
MATH 3752/5752	Introduction to Probability	(800:152g)
Computer Science:		3-4
Select one of the following:		
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	Senior Mathematics Seminar	(800:194)
or MATH 4990 Undergraduate Research in Mathematics		(800:195)
Select and complete ONE of the following Emphasis Cores:		9
Statistics Emphasis Core:		
Select three from the following:		
STAT 3771/5771	Applied Statistical Methods for Research	(800:121g)
STAT 3776/5776	Regression Analysis	(800:175g)
STAT 4773/5773	Design and Analysis of Experiments	(800:123g)

List of Programs by Department

STAT 4779/5779 (800:196g)	Applied Multivariate Statistical Analysis
Actuarial Science Emphasis Core:	
Select three from the following:	
MATH 3780/5780 (800:145g)	Mathematics of Finance
ACT SCI 4735/5735 (800:153g)	Actuarial Mathematics
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
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
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
MATH 4754/5754 (800:154g)	Introduction to Stochastic Processes

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 and Programming 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/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)	Introduction to Statistical Methods
& MATH 3752/5752 (800:152g)	and Introduction to Probability
STAT 1772 (800:072)	Introduction to Statistical Methods
& STAT 3771/5771 (800:121g)	and Applied Statistical Methods for Research
Select two of the following: 6	

NOTE: Other junior/senior level mathematics courses may be substituted here with approval of Advisor and Department Head.

MATH 3610/5610 Modern Geometries
(800:165g)

MATH 4501/5501 Modern Algebra II
(800:162g)

MATH 4510/5510 Elementary Number Theory
(800:144g)

MATH 4615/5615 Geometric Transformations
(800:189g)

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.

For departmental approval to student teach, a student on the program must satisfy the university requirements to student teach and the following departmental requirements:

1. Must earn a C- or better in:

2. MATH 1420 Calculus I
(800:060)

MATH 1421 Calculus II
(800:061)

MATH 2303 Introduction to Teaching
Secondary Mathematics

MATH 2500 Linear Algebra for
Applications
(800:076)

MATH 2900 Discrete and Argumentative
Mathematics

MATH 3302 Field Experience in Teaching
Secondary Mathematics

MATH 3304 The Teaching of Secondary
Mathematics
(800:190)

MATH 3600/5600 Euclidean Geometry
(800:166g)

MATH 4500/5500 Modern Algebra I
(800:160g)

Courses taken to satisfy the Probability and
Statistics, and Computer Science requirements

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 Calculus I *
(800:060)

MATH 1421 Calculus II
(800:061)

MATH 2500 Linear Algebra for
Applications
(800:076)

Electives 12

Mathematics:

MATH 2422 Calculus III
(800:062)

MATH 2900 Discrete and Argumentative
Mathematics

ACT SCI 4739/5739 Topics in Actuarial Science
(800:158g)

MATH 3410/5410 Dynamical Systems: Chaos
Theory and Fractals
(800:142g)

MATH 3530/5530 Combinatorics
(800:143g)

MATH 3425/5425 Differential Equations
(800:149g)

MATH 3440/5440 Numerical Analysis
(800:176g)

MATH 3430/5430 Partial Differential Equations
(800:150g)

MATH 3600/5600 Euclidean Geometry
(800:166g)

MATH 3610/5610 Modern Geometries
(800:165g)

MATH 3630/5630 Differential Geometry
(800:155g)

MATH 3640/5640 History of Mathematics: To
the Calculus
(800:180g)

MATH 3751 Probability and Statistics
(800:173)

MATH 3752/5752 Introduction to Probability
(800:152g)

MATH 4421/5421 Advanced Calculus II
(800:141g)

MATH 4510/5510 Elementary Number Theory
(800:144g)

MATH 4460/5460 Introduction to Complex
Analysis
(800:156g)

MATH 4420/5420 Advanced Calculus I
(800:140g)

MATH 4500/5500 Modern Algebra I
(800:160g)

MATH 4501/5501 Modern Algebra II
(800:162g)

MATH 4615/5615 Geometric Transformations
(800:189g)

MATH 4641/5641 Topology I
(800:167g)

MATH 4754/5754 Introduction to Stochastic
Processes
(800:154g)

List of Programs by Department

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.

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.

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	2
Total Hours		24

Statistics and Actuarial Science Minor

Required

Mathematics:		
MATH 1420 (800:060)	Calculus I *	4
MATH 1421 (800:061)	Calculus II	4
STAT 1774 (800:064)	Introductory Statistics for Life Sciences (required)	3
or STAT 1772 (800:072)	Introduction to Statistical Methods	
MATH 3752/5752 (800:152g)	Introduction to Probability	3
Electives 9		
Mathematics:		
Select three of the following:		
ACT SCI 3731 (800:146)	Actuarial Examination Preparation	
ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science	
ACT SCI 4785/5785 (800:197g)	Introduction to Financial Engineering	
MATH 2422 (800:062)	Calculus III	
MATH 2500 (800:076)	Linear Algebra for Applications	
MATH 3780/5780 (800:145g)	Mathematics of Finance	

MATH 4754/5754 (800:154g)	Introduction to Stochastic Processes
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
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 23	

* 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 3752/5752 (800:152g)	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	

List of Programs by Department

MATH 4641/5641 (800:167g)	Topology I	
MATH 4754/5754 (800:154g)	Introduction to Stochastic Processes	
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 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:		6
MATH 4501/5501 (800:162g)	Modern Algebra II	
or MATH 6500 (800:240)	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)	Modern Algebra II	3
or MATH 6500 (800:240)	Abstract Algebra I	
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:		
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 34 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

List of Programs by Department

This major requires completion of 16 units of the PSM Industrial Mathematics core, including the business and experiential component, and 18 units of electives.

Required Core:		16
MATH 6745 (800:250)	Deterministic Operations Research	3
MATH 6747 (800:252)	Discrete-Event System Simulation	3
MATH 6795 (800:275)	Industrial Internship/Project	6
PSM 6100 (820:209)	Business Management for Science Professionals	3
PSM 6289 (820:289)	Professional Science Master's Seminar	1
Electives from the following:		18
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)	Corporation 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 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 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 3752/5752 (800:152g)	Introduction to Probability
MATH 3780/5780 (800:145g)	Mathematics of Finance
MATH 4742/5742 (800:125g)	Geometric Modeling for CAD
MATH 4754/5754 (800:154g)	Introduction to Stochastic Processes
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
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 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	34

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

List of Programs by Department

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)	Leadership and Personal Development	1
MIL SCI 1092 (080:092)	Introduction to Tactical Leadership	1
MIL SCI 1094 (080:093)	Foundations of Tactical Leadership	2
MIL SCI 1093 (080:094)	Innovative Team Leadership	2

Advanced Course:

MIL SCI 3116 (080:116)	Adaptive Tactical Leadership	3
MIL SCI 3117 (080:117)	Leadership in Changing Environments	3
MIL SCI 3118 (080:118)	Developing Adaptive Leaders	3
MIL SCI 3119 (080:119)	Leadership in a Complex World	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)	Leadership and Personal Development *	1
MIL SCI 1092 (080:092)	Introduction to Tactical Leadership *	1

MIL SCI 1094 (080:093)	Foundations of Tactical Leadership *	2
MIL SCI 1093 (080:094)	Innovative Team Leadership *	2
MIL SCI 3116 (080:116)	Adaptive Tactical Leadership	3
MIL SCI 3117 (080:117)	Leadership in Changing Environments	3
MIL SCI 3118 (080:118)	Developing Adaptive Leaders	3
MIL SCI 3119 (080:119)	Leadership in a Complex World	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.

List of Programs by Department

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:

- **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 xxx/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: Admission to the School of Music requires successful completion of an audition in the main performance area.

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 (01-Vorobiev; 02-Guy; 03-Botkin; 04-Camilli)

BM Composition Theory: Group Piano III (C or better) + Proficiency Exam Passed followed by 2 semesters of Applied Piano Beyond Proficiency: Mus Appl 2600 (01-Vorobiev; 02-Guy; 03-Botkin; 04-Camilli)

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 (7 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 Concert Band or Jazz Band I and 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.

B.A. Core Curriculum (34 hours) - required of all B.A. tracks

Applied Music (540:xxx), 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.

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, or 5 below)

1. General Studies in Music (12 hours beyond Core)

Required	
B.A. Core	34
Applied Music: MUS APPL xxxx (540:xxx), including 2 additional hours of 100/3000/4000-level work in major area	4
Music Theory:	

List of Programs by Department

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: *		2
MUS APPL 3550/5550 (540:155g)	Jazz Improvisation	
Instrumental Jazz Improvisation: **		
MUS TECH 1500 or MUS TECH 3500/5500	Instrumental Jazz Improvisation - Theory	1
MUS TECH 1530 or MUS TECH 3530/5530	Instrumental Jazz Improvisation I	1
MUS TECH 1550 or MUS TECH 3550/5550	Instrumental Jazz Improvisation II	1
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).

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):		4
MUS ED 3380/5380 (570:138g)	Instrumental Pedagogy (repeat, taking 2 sections)	
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:		

List of Programs by Department

ACCT 2120 (120:030)	Principles of Financial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing Management/Music Techniques:	3
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
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 (18 hours beyond Core)

Required

B.A. Core		34
Communication Studies production courses:		9
COMM EM 2656 (48E:011)	Audio Production: (Topic)	
COMM EM 3656	Audio Practicum	
COMM EM 3940 (48E:191)	Advanced Applied Electronic Media	
Music Technology:		
MUS THEO 3220/5220 (580:122g)	Music and Technology	2
MUS THEO 3230/5230 (580:123g)	Music Technology, Advanced	3
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	2
Senior Project in Music Technology:		
MUS THEO 4900 (580:190)	Senior Project, Music Technology	0
Total Hours		52

Interview required for admission to this program, in addition to the audition required of all music majors.

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)]		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):		
Applied Music (MUS APPL xxxx/540:xxx)		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

List of Programs by Department

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

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 121 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements to complete the minimum of 121 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	2
Applied Composition:		
MUS APPL 1540 (540:054)	Composition	4
MUS APPL 3540/5540 (540:154g)	Composition	12
MUS ENS xxxx (530:xxx)]	Music, Organizations and ensembles [MUS ENS xxxx	8
Applied Music: Applied Piano: *		
MUS APPL 2600 (540:060)	Applied Piano Beyond Proficiency	2
Music Techniques:		6
MUS TECH 1500/3500	Instrumental Jazz Improvisation - Theory	
Select one of the following:		
MUS TECH 1170 (560:017)	Conducting I--Instrumental	
or MUS TECH 1180 (560:018)	Conducting I--Choral	
MUS TECH 1210 (560:021)	Conducting II--Instrumental	
or MUS TECH 1220 (560:022)	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)		8
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 136 total hours for Specialization A, minimum of 137 total hours for Specialization B, and a minimum of 149 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 136, 137 or 149 hours (depending on specialization).

Required

Music, Organizations and Ensembles (MUS ENS xxxx/530:xxx)	7
Applied Music (MUS APPL xxxx/540:xxx) see specializations below:	
Music Education and Methods:	
MUS ED 1500 Introduction to Music Education (570:050)	2
MUS ED 3410 Elementary/General Music Methods (570:141)	3
Music Theory:	
MUS THEO 1110 Theory I (580:011)	2
MUS THEO 1120 Theory II (580:012)	2
MUS THEO 1150 Aural Training I (580:015)	1
MUS THEO 1160 Aural Training II (580:016)	1
MUS THEO 1250 Sight-Singing I (580:025)	1
MUS THEO 1260 Sight-Singing II (580:026)	1
MUS THEO 2130 Theory III (580:013)	2
MUS THEO 2140 Theory IV (580:014)	2
MUS THEO 2170 Aural Training III (580:017)	1
MUS THEO 2180 Aural Training IV (580:018)	1
MUS THEO 2270 Sight-Singing III (580:027)	1
MUS THEO 2280 Sight-Singing IV (580:028)	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		38
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) 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
Music Education and Methods:		
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		28

* Taken beyond MUS APPL 1467 (540:P46).

Specialization B (Instrumental/General: K-8, 5-12)

Applied Music (MUS APPL xxxx/540:xxx) 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
Music Education and Methods: *		10
MUS ED 1100 (570:010)	Instrumental Techniques	

List of Programs by Department

MUS ED 3630 (570:163)	Instrumental Methods III: School Administration	
MUS ED 3640 (570:164)	Instrumental Methods IV: Jazz Band	
MUS ED 4161 (570:161)	Instrumental Methods I: Strings	
MUS ED 4162 (570:162)	Instrumental Methods II: Marching Band	
Total Hours		29

* 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) 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	

Music Education and Methods: 10

MUS ED 1100 (570:010)	Instrumental Techniques	
MUS ED 3630 (570:163)	Instrumental Methods III: School Administration	
MUS ED 3640 (570:164)	Instrumental Methods IV: Jazz Band	
MUS ED 4161 (570:161)	Instrumental Methods I: Strings	
MUS ED 4162 (570:162)	Instrumental Methods II: Marching Band	

Music Theory:

MUS THEO 3270/5270 Jazz Arranging I 2
(580:127g)

MUS THEO 3280/5280 Jazz Arranging II 2
(580:128g)

Music History and Musicology:

MUS HIST 3600/5600 Jazz History and Styles 3
(590:160g)

Total Hours 39

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 3630 (570:163), 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 (7 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 122 total hours to graduate for Track A (Instrumental) and 132 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 122 hours (Track A) and 132 hours (Track B).

Track A (Instrumental)

Required

Music, Organizations and Ensembles (MUS ENS xxxx/530:xxx) 8

Applied Music (MUS APPL xxxx/540xxx) including at least 12 hours of 100/3000/4000-level work in the major area: 22

Music Techniques:

MUS TECH 1170 Conducting I--Instrumental 2
(560:017)

MUS TECH 1210 Conducting II--Instrumental 3
(560:021)

Music Pedagogy:

Select one of the following: 2

MUS ED 3380/5380 Instrumental Pedagogy
(570:138g) (instrumental majors) *

MUS ED 3480/5480 Piano Pedagogy: Elementary
(570:148g) (keyboard majors)

Music Theory:

MUS THEO 1110 Theory I 2
(580:011)

List of Programs by Department

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), 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)] 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)		

List of Programs by Department

Electives: MUS APPL xxxx (540:xxx), 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:		
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.

List of Programs by Department

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
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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

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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Specialization

Applied Music:

MUS APPL 6540 (540:254)	Composition	12
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Music Electives: primarily in the areas of music literature and theory:	11
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Recital:

MUS APPL 6880 (540:288)	Graduate Recital	0
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Total Hours	35
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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
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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

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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Specialization:

Music Organizations and Ensembles: MUS ENS 5xxx (530:1xxg) *	4
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MUSIC 6299 (520:299) Research	2
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Applied Music:	12
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Select one of the following:

MUS APPL 6210 (540:221)	Instrumental Conducting	
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MUS APPL 6220 (540:222)	Choral Conducting	
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Performance Literature and Repertory:

List of Programs by Department

Select one of the following:	3
MUS LIT 3310/5310 History and Literature of Large (595:131g) Choral Forms	
MUS LIT 3400/5400 History and Literature of the (595:140g) Orchestra	
MUS LIT 3420/5420 History and Literature of the (595:142g) Wind Band	
Music Electives: as approved by advisor:	3
Recital:	
MUS APPL 6880 Graduate Recital (540:288)	0
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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 Analytical Techniques I (580:210)	3
MUS THEO 6110 Analytical Techniques II (580:211)	3
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

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 TECH 6520 (560:252)	Advanced Instrumental Jazz Improvisation **	
or MUS TECH 3500/5500	Instrumental Jazz Improvisation - Theory	
or MUS TECH 3530/5530	Instrumental Jazz Improvisation I	
or MUS TECH 3550/5550	Instrumental Jazz Improvisation II	
MUS ED 6520 (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)	
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Research:

MUS TECH 6299 (560:299)	Research	2
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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

List of Programs by Department

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
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:		
MUS HIST 3100/5100 (590:110g)	Music History--Middle Ages and Renaissance	3
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	

Music Education core:

Research in Music Education and Methods:		
MUS ED 6210 (570:221)	Research Methodology in Music Education	3

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
MUS ED 6300 (570:230)	Foundations of Music Education	3
MUS ED 6820 (570:282)	Seminar: Music Learning and Behavior	3

Music Education electives as approved by music education faculty: 3 or 6

Select from the following:

MUS ENS 5xxx (530:1xxg) (1-2 hrs.)

MUS APPL 5xxx (540:1xxg) (1-4 hrs.),

MUS TECH
3210/5210
(560:121g)

Conducting III--Instrumental

MUS TECH
3220/5220
(560:122g)

Conducting III--Choral

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

List of Programs by Department

MUS TECH 3550/5550	Instrumental Jazz Improvisation II	
MUS ED 3750/5750 (570:175g)	Pedagogical Approaches to Music Education	
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
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 of 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 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

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	
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 Performance Literature: (595:120g)	
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 Performance Literature: (595:120g)	

Music Education and Methods:	2
MUS ED 3300/5300 Vocal Pedagogy (570:130g)	
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 Performance Literature: (595:120g) _____ (section 09, 10, or 12)	2
Instrumental Pedagogy:	
MUS ED 3380/5380 Instrumental Pedagogy (570:138g)	2-6
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.

6. Students are required to enroll in applied music in their performance area during the semester they present their recital.
7. 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	Analytical Techniques I	3
(580:210)		
MUS THEO 6110	Analytical Techniques II	3
(580:211)		
Music History:		
MUS HIST 6220	Research and Writing in Music	3
(590:222)		
Select one from the following:		
MUS HIST 3100/5100	Music History--Middle Ages and Renaissance	3
(590:110g)		

MUS HIST 3110/5110	Music History--Baroque	
(590:111g)		
MUS HIST 3120/5120	Music History--Classic	
(590:112g)		
MUS HIST 3140/5140	Music History--Romantic	
(590:114g)		
MUS HIST 3150/5150	Music History--20th Century	
(590:115g)		
Piano performance:		
Applied Music:		6
MUS APPL 6460	Piano	
(540:246)		
Music Literature:		4
MUS LIT 3200/5200	Performance Literature: _____ (Piano I)	
(595:120g)		
MUS LIT 3200/5200	Performance Literature: _____ (Piano II)	
(595:120g)		
Piano pedagogy:		
Music Education and Methods:		10
MUS ED 3480/5480	Piano Pedagogy: Elementary	
(570:148g)		
MUS ED 3495/5495	Music Learning and Motivation	
MUS ED 6570	Piano Pedagogy: Intermediate	
(570:257)		
MUS ED 6580	Piano Pedagogy: Group and Adult	
(570:258)		
MUS ED 6600	Piano Pedagogy: Internship	
(570:260)		
Recital:		
MUS APPL 6880	Graduate Recital	0
(540:288)		
Electives		
Select 2 hours from the Recommended List:		2
MUS ENS 3120/5120	Ensemble	
(530:112g)		
MUS APPL 6460	Piano	
(540:246)		
MUS TECH 3350/5350	Accompanying	
(560:135g)		
MUS ED 6500	Projects in Music Education	
(570:250)		
MUS ED 6600	Piano Pedagogy: Internship	
(570:260)		
MUS ED 6285	Readings	
(570:285)		
MUS THEO 3220/5220	Music and Technology	
(580:122g)		

List of Programs by Department

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/philrel

The Department of Philosophy and World Religions offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Philosophy and World Religions section in the following order:

- **Undergraduate Majors (B.A.)**
 - Philosophy
 - 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
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Reading for Arguments and Assumptions

Two courses from the following: 6

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	Knowledge and Reality
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
PHIL 3620	Philosophy of Language: Wittgenstein

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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List of Programs by Department

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 1510	Ethics for College Students
PHIL 1520	Reasoning About Moral Problems *
PHIL/RELS 1540	Ethics in Business *
PHIL/RELS 2550	Environmental Ethics *
PHIL 3010/CAP 3151 (CAP:151)	Money, Sex and Power: Theories of Race, Class and Gender ^
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 *

* 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	Knowledge and Reality
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

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 emphatically on the subject.

Courses support Learning Goal 1:

A. Religion and Culture

Required: one course from the following:		3
RELS 1510 (640:040)	Religion, Ethics, and Film	
RELS/ANTH 3103	Religion, Magic, and Witchcraft	
RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying	
RELS 3150	Women and Christianity *	
RELS 3310/HUM 3138 (680:138)	Malcolm, Martin, and Justice	
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	
RELS/ANTH 2401	Tribal Religions	

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 2210	Angels Across Cultures	
RELS 2225	Meditation and Mystical Experience	
RELS 2220	Faith and Reason: Philosophy in the Middle Ages	
RELS 3130	Religion and Sexuality *	
RELS 3160	Religion and Society *	

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	
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List of Programs by Department

RELS 3080/5080 (640:189g)	Individual Readings in Religion
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 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:	
RELS 3500 (640:171)	Religion and Ethics 3
Philosophy:	
PHIL 2500	Ethics 3
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:	
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 1540	Ethics in Business
RELS/PHIL 2550	Environmental Ethics
RELS/PHIL 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics
Electives: select one of the following: 3	

Management:

MGMT 3100 (150:100)	Legal and Social Environment of Business
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Finance:

FIN 3050 (160:162)	Risk Management and Insurance
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Teaching:

TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application
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Psychology:

PSYCH 2203 (400:160)	Social Psychology
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Social Work:

SW 4194/5194 (450:194g)	Seminar in Social Work
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Communication:

COMM 4447/5447 (48C:108g)	Performance and Social Change
COMM 4236/CAP 3128 (CAP:128)	Ethics in Communication

Study of Religion:

RELS 3140	Religion and Its Critics
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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

Humanities:

HUM 3130 (680:130)	Culture and Philosophy of African American Life
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Political Science:

POL THRY 3160 (941:160)	Classical Political Theory
POL THRY 3161 (941:161)	Modern Political Theory

History:

HISUS 4245/5245 (961:122g)	African-American History
HISUS 4275/5275 (961:142g)	United States Constitutional History
HISEUB 4690/5690 (963:161g)	Modern European Women's History

Total Hours 15

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-Teaching
- **Minors**
 - Nanoscience and Nanotechnology
 - Physics

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-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
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.

List of Programs by Department

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-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	3
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
SCI ED 3200 (820:196)	Current Technologies in Science Teaching	2
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)	General Physics I	4
or PHYSICS 1701 (880:130)	Physics I for Science and Engineering	
PHYSICS 1512 (880:056)	General Physics II	4
or PHYSICS 1702 (880:131)	Physics II for Science and Engineering	
PHYSICS 4200/5200 (880:144g)	Introduction to Nanoscience and Nanotechnology	3
or CHEM 4200/5200 (860:144g)	Introduction to Nanoscience and Nanotechnology	
PHYSICS 4210/5210 (880:148g)	Intermediate Nanoscience and Nanotechnology	3
or CHEM 4210/5210 (860:148g)	Intermediate Nanoscience and Nanotechnology	
Total Hours		19-22

Physics Minor

Required

Physics: 8

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:

100/3000-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 100/3000-level courses.

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
 - Accelerated Master of Public Policy
- **Program Certificates**
 - International Peace and Security
 - 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 Communication 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 EM 1611 (48E:021)	Media Literacy	
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 EM 4616/5616 (48E:141g)	Electronic Media: Processes and Effects *	
COMM PR 1811 (48P:005)	Principles of Public Relations *	

List of Programs by Department

COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems *
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 EM 4616/5616 (48E:141g) has prerequisite of COMM EM 1611 (48E:021) or consent of instructor.
 COMM J 4754/5754 (48J:151g) 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) and POL INTL 1024 (943:024) satisfy Category 5B 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 (942:172)	Public Budgeting	3
POL AMER 4153/5153 (942:153g)	Public Organizations	3
POL AMER 4173/5173 (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
Area of concentration: choose one of the following focus areas (below)		9
Total Hours		36-41

Focus Area 1 - Economics and Finance (select 3 courses)

Select three from the following: 9

Accounting		
ACCT 2120 (120:030)	Principles of Financial Accounting	
ACCT 2130 (120:031)	Principles of Managerial Accounting *	
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 3253/5253 (920:148g)	Urban and Regional Economics *	
Political Science		
POL AMER 4130/5130 (942:130g)	Iowa Politics	
POL AMER 4176/5176 (942:176g)	Topics in Public Policy	
Total Hours		9

Focus Area 2 - Community and Regional Development (select 3 courses)

Select three from the following: 9

Political Science		
POL AMER 2131 (942:131)	American State Politics	
POL AMER 3132 (942:132)	Community Politics	

POL AMER 4130/5130 (942:130g)	Iowa Politics	
POL AMER 4176/5176 (942:176g)	Topics in Public Policy	
Geography		
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning	
GEOG 4190/5190 (970:117g)	Transportation Planning and Policy	
GEOG 4320/5320 (970:174g)	Geographic Information Systems II *	
Criminology		
CRIM 4253/5253 (982:153g)	Crime and Public Policy *	
Total Hours		9

Focus Area 3 - Human Resources (select 3 courses)

Select three from the following: 9

Management		
MGMT 3153 (150:153)	Organizational Management	
MGMT 3965/5965 (150:165g)	Organizational Behavior *	
MGMT 3966/5966 (150:166g)	Staffing and Employee Development *	
Psychology		
PSYCH 3304/5304 (400:158g)	Organizational Psychology *	
PSYCH 3305/5305 (400:157g)	Industrial Psychology *	
Social Work		
SW 4163/5163 (450:163g)	Diversity and Difference *	
Communication Studies		
COMM 3055 (48C:132)	Organizational Communication *	
Political Science		
POL AMER 3174 (942:174)	Public Personnel Administration	
POL AMER 4130/5130 (942:130g)	Iowa Politics	
POL AMER 4176/5176 (942:176g)	Topics in Public Policy	
Total Hours		9

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 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.
 ACCT 2130 (120:031) has prerequisite of C- or better in ACCT 2120 (120:030).
 ECON 3221/5221 (920:117g), ECON 3229/5229 (920:125g) 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).
 GEOG 4320/5320 (970:174g) has prerequisite of GEOG 3310 (970:164).
 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.
 MGMT 3965/5965 (150:165g) has prerequisite of MGMT 3153 (150:153), STAT 1772 (800:072) or equivalent, ECON 1011 (920:070). STAT 1772 (800:072) will satisfy Category 1C of the Liberal Arts Core.
 MGMT 3966/5966 (150:166g) has prerequisite of MGMT 3153 (150:153).
 PSYCH 3305/5305 (400:157g) and PSYCH 3304/5304 (400:158g) have prerequisite of *PSYCH 1001 (400:001)*. *PSYCH 1001 (400:001)* will satisfy Category 5B of the Liberal Arts Core.
 SW 4163/5163 (450:163g) has prerequisite of *SOC 1000 (980:001)*. *SOC 1000 (980:001)* will satisfy Category 5A of the Liberal Arts Core.
 COMM 3055 (48C:132) has prerequisite of COMM 1000 (48C:001). COMM 1000 (48C:001) satisfies Category 1B of the Liberal Arts Core.

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 J 4754/5754 (48J:151g)	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: ^		

List of Programs by Department

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)	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) or ANTH 3001 (990:177)	Language and Culture [^]
CRIM 4262/5262 (982:162g) or ANTH 3441/5441 (990:162g)	Crime, Law, and Justice: A Global Perspective [^]
Total hours ^{***}	21

* POL INTL 1024 (943:024) satisfies Category 5B 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 J 4754/5754 (48J:151g) 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. GEOG 4140/5140 (970:116g) has prerequisite of one previous 3000/4000-level course in Social Sciences. SOC 3001 (980:177)/ANTH 3001 (990:177) and CRIM 4262/5262 (982:162g)/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) and POL INTL 1024 (943:024) will satisfy Category 5B 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.

List of Programs by Department

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 ^	
CRIM 4262/5262 (982:162g)	Crime, Law, and Justice: A Global Perspective ^	
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.
- ^ 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.
CRIM 4262/5262 (982:162g) has prerequisite of *SOC 1000 (980:001)* or *ANTH 1002 (990:011)*, either of 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.

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.

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 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, for students who lack such background (e.g., ECON 1051 (920:054) , POL AMER 1014 (942:014) , and SOC 2020 (980:080)). The M.P.P. is available on the **non-thesis** option, and requires **41-45 semester hours. A minimum of 12 hours of 200/6000-level course work is required.**

Required

Economics:		
ECON 3221/5221 (920:117g)	Public Finance	3
ECON 3229/5229 (920:125g)	Cost-Benefit Analysis	3
Public Policy:		
PUBPOL 6205 (950:205)	Research Seminar in Public Policy <small>(1-hr. course repeated for 3 hrs.)</small>	3
PUBPOL 6208 (950:208)	Applied Research and Bibliography in Public Policy	3
PUBPOL 6260 (950:260)	Policy Analysis: Methods and Approaches	3
PUBPOL 6275 (950:275)	Quantitative Methods for Politics and Policy	3
Political Science:		
POL AMER 4153/5153 (942:153g)	Public Organizations	3
POL AMER 4173/5173 (942:173g)	The Public Policy Process	3
History:		
HIST 6020 (960:225)	History and U.S. Public Policy	3
Focus area courses: as approved by advisor		
9		
Internship:		
PUBPOL 6281 (950:281)	Internship in Public Policy *	4
Electives: as approved by advisor		
5		
Total hours		
45		
Total hours (if internship waived)		
41		

* Prerequisites: PUBPOL 6275 (950:275) and POL AMER 4173/5173 (942:173g) or an approved substitute. This requirement may be waived at the discretion of the program director.

M.P.P. students, in consultation with their faculty advisors, select a focus area and the course work needed to complete their study of public policy. They may choose either a substantive area of public policy (for example, urban policy, environmental policy, human services policy, criminal justice policy) or courses that provide them with additional training in public policy or methods of policy analysis.

In PUBPOL 6208 (950:208) , with the support of the instructor and benefiting from interaction with other students, each student prepares a research paper within the focus area.

If focus courses have prerequisites which instructors choose not to waive, these courses will be in addition to the above degree requirements.

The internship may be undertaken during the summer following the first or second year of classes or during any other approved period.

Successful completion of a final written and oral comprehensive examination is required.

Accelerated Master of Public Policy Program

The Accelerated Master of Public Policy program provides the opportunity for qualified UNI undergraduates to reduce the number of hours required for completion of the Master of Public Policy degree by meeting certain preparatory requirements prior to completing the B.A. degree.

1. Upon declaration of an undergraduate major, any UNI student may apply to the director of the program for entry into the preparatory phase of the Accelerated M.P.P. program. A student must have at least a 3.00 GPA in order to be considered for this program. Upon acceptance into the preparatory phase, the student signs an agreement with the director, which spells out the requirements for this phase of the program.
2. The following four courses are included in the preparatory phase of the program:

ECON 3221/5221 (920:117g)	Public Finance	3
ECON 3229/5229 (920:125g)	Cost-Benefit Analysis	3
POL AMER 4153/5153 (942:153g)	Public Organizations	3
POL AMER 4173/5173 (942:173g)	The Public Policy Process	3

All of these courses have prerequisites which must be completed before the student may enroll in them.

4. In order to count one of these courses toward admission to the accelerated M.P.P. program, the student must sign a contract with the instructor to do the same extra work that is required by that instructor for students to receive graduate credit for the course. No graduate credit will be awarded, but completion of the course in this manner contributes toward eligibility for the accelerated M.P.P. program.
5. In order to count one of these courses toward admission to the accelerated M.P.P. program, the student must receive a minimum grade of B in the class. In addition, to be considered for admission into the accelerated M.P.P. program, students must maintain a minimum of 3.00 GPA in all of their undergraduate work.
6. After completion of the preparatory phase, the student will be considered for admission to the accelerated M.P.P. program. Students who have completed three out of the four preparatory courses may also be considered for admission to the accelerated M.P.P.; however, the fourth course must be added as a graduate level course to the total hours required for the accelerated program. Enrollment in the accelerated program requires the completion of the B.A. degree.
7. In order to complete the accelerated M.P.P. in one additional year after the B.A., students will also need to enroll in a minimum of 7 hours of graduate work during their senior year, as provided for in this University Catalog (see policies and procedures for Graduate Credit for Undergraduate Students). With the permission of the

List of Programs by Department

director, students may enroll in additional graduate hours during their senior year.

8. All other degree requirements for the regular M.P.P. program also apply to the Accelerated M.P.P. program.

The Accelerated M.P.P. requires 33 semester hours, including a minimum of 12 hours of 200/6000-level course work.

Courses required for the Accelerated M.P.P. program

Required

Public Policy:		
PUBPOL 6205 (950:205)	Research Seminar in Public Policy <small>(1 hr. course repeated for 3 hrs.)</small>	3
PUBPOL 6208 (950:208)	Applied Research and Bibliography in Public Policy	3
PUBPOL 6260 (950:260)	Policy Analysis: Methods and Approaches	3
PUBPOL 6275 (950:275)	Quantitative Methods for Politics and Policy	3
History:		
HIST 6020 (960:225)	History and U.S. Public Policy	3
Focus area courses: as approved by advisor		9
Internship:		
PUBPOL 6281 (950:281)	Internship in Public Policy *	4
Electives: as approved by advisor		5
Total Hours		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 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.

This certificate complements UNI's Center for International Peace and Security Studies (CIPSS), and is meant to foster interdisciplinary study. 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
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POL INTL 3143 (943:143)	International Law
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POL INTL 3145 (943:145)	International Organizations
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Comparative Politics:

POL COMP 3121 (944:121)	Terrorism and Insurgency
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POL COMP 3125 (944:125)	Politics of Nonviolence
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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 5B of the Liberal Arts Core.

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.

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 certificate. Specific requirements for these programs are listed within this Department of Psychology section in the following order:

- **Undergraduate Major (B.A.)**
 - Psychology
- **Minor**
 - Psychology
- **Graduate Major (M.A.)**
 - Psychology
- **Program Certificate**
 - Industrial and Organizational Psychology Certificate

Students who want to declare psychology as a major or minor must have completed 9 hours of psychology (PSYCH xxxx/400:xxx) with a minimum GPA of 2.50. Students not meeting this requirement may discuss their special situation with the department head.

Only courses with an earned grade of at least a C- will count toward the major and minor.

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.

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.

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

Psychology:		
PSYCH 1001 (400:001)	Introduction to Psychology	3
PSYCH 1002	Careers in Psychology	1
PSYCH 3002 (400:101)	Research Methods	4
PSYCH 3003 (400:102)	Psychological Statistics	4
PSYCH 3004/5004 (400:118g)	History and Systems of Psychology	3
Select one course from each of the five content areas:		15

Biological:

Required

American Politics:		
POL AMER 1014 (942:014)	Introduction to American Politics *	3
POL AMER 2131 (942:131)	American State Politics	3

Electives

Select minimum 9 hours from the following:		9
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Communication:

COMM 4216/5216 (48C:160g)	Political Communication	
or POL AMER 4160/5160	Political Communication	

Economics:

ECON 3253/5253 (920:148g)	Urban and Regional Economics *	
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American Politics:

POL AMER 3132 (942:132)	Community Politics	
POL AMER 3172 (942:172)	Public Budgeting *	
POL AMER 4130/5130 (942:130g)	Iowa Politics	
POL AMER 4153/5153 (942:153g)	Public Organizations	
POL AMER 4173/5173 (942:173g)	The Public Policy Process *	

Criminology:

CRIM 4253/5253 (982:153g)	Crime and Public Policy *	
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Total Hours		15
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* 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 (942:172) and POL AMER 4173/5173 (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.

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PSYCH 2101 (400:155)	Biopsychology
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
Social/Developmental:	
PSYCH 2201 (400:060)	Psychology of Gender Differences
PSYCH 2202 (400:120)	Developmental Psychology
PSYCH 2203 (400:160)	Social Psychology
PSYCH 3204/5204 (400:173g)	Psychology of Aging
Applied:	
PSYCH 2301 (400:025)	Applied Psychology
PSYCH 2302 (400:070)	Psychology and Law
PSYCH 3303/5303 (400:154g)	Health Psychology
PSYCH 3304/5304 (400:158g)	Organizational Psychology
PSYCH 3305/5305 (400:157g)	Industrial Psychology
Abnormal/Individual Differences:	
PSYCH 2401 (400:166)	Clinical Psychology
PSYCH 2402 (400:161)	Psychology of Personality
PSYCH 3403/5403 (400:142g)	Abnormal Psychology
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences
Cognition and Learning:	
PSYCH 2501 (400:050)	Behavior Modification
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
Electives in psychology	9
Electives may be selected from any of the psychology courses (PSYCH xxxx/400:xxx)	
No more than six total hours of 3179/179, 4704/192, 4705/93, and 4198/198 can count toward fulfilling the major requirements	
Total Hours	39

Minor Psychology Minor

Required

Psychology:	
PSYCH 1001 (400:001) Introduction to Psychology	3
PSYCH 3002 (400:101) Research Methods	4
PSYCH 3004/5004 (400:118g) History and Systems of Psychology	3
Electives in psychology	15
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, except those applicants applying to the Fifth Year program in Industrial-Organizational (I/O)

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 (advanced psychology test scores required only for those applicants who do not have sufficient undergraduate psychology coursework). Students from UNI applying for the Fifth Year I/O emphasis do not need to submit GRE scores.

The application deadline for fullest consideration for financial aid is February 1. Offers of admission will begin in February and continue on a rolling basis until all positions in the program are filled or until early May. Applications completed by April 30 will be reviewed and given consideration, but early application is strongly encouraged.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** option only and requires a **minimum of 30-45 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 three traditional emphases and an individualized study option:

1. clinical science, for those who wish to pursue doctoral-level study in clinical or counseling psychology or to become master's level

List of Programs by Department

- providers of psychological services operating in clinical settings under appropriate supervision;
2. industrial-organizational emphasis, for students interested in pursuing either doctoral-level studies in industrial-organizational psychology or a career in human resources; and
 3. 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.
 4. 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.

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.

The Industrial-Organizational emphasis also includes a Fifth Year Option, available to students with a bachelor's degree and I-O certificate from UNI. This program is designed to be finished in one year. Undergraduate seniors may register for up to six credit hours of graduate credit with the approval of the Graduate Coordinator and Department Head. See policies and procedures for Graduate Credit as a Senior. Graduate credits completed as an undergraduate count towards only the I-O emphasis master's degree at UNI, and completing those credits does not guarantee admission to the program. Actual admission to graduate study and classification as a graduate student commences the term after the student has completed the baccalaureate.

Required for all students

Psychology:	
PSYCH 6001 (400:239) Advanced Statistics	3
Readings:	
PSYCH 6285 (400:285) Readings in Psychology	2
Thesis Research:	
PSYCH 6299 (400:299) Research	6
Emphasis requirements (as listed below)	19-34
Total Hours	30-45

Clinical Science Emphasis

Requirements for all students (listed above): 11

Required for emphasis:

Psychology:	
PSYCH 6002 (400:241) Research Design	3
PSYCH 6401 (400:249) Cognitive and Intellectual Assessment	3
PSYCH 6402 (400:270) Research and Practice of Psychotherapy	3

PSYCH 6405 (400:262) Personality Assessment	3
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 6408 (400:290) Clinical Practicum	3
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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	

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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	
3 hours total from:		
PSYCH 4704/5704 (400:192g) or PSYCH 4705/5705 (400:193g)	Practicum in Teaching Psychology Research Experience in Psychology	
Total Hours		41

Industrial-Organizational Emphasis

Requirements for all students (listed above):		11
Required for emphasis:		
Psychology:		
PSYCH 4604/5604 (400:149g)	Principles of Psychometrics	3
PSYCH 3305/5305 (400:157g)	Industrial Psychology	3
PSYCH 3304/5304 (400:158g)	Organizational Psychology	3
PSYCH 6301 (400:210)	Organizational Consulting and Change Management	2
PSYCH 6302 (400:232)	Training and Instructional Design	3
PSYCH 6303 (400:234)	Recruitment and Selection	3
PSYCH 6304 (400:237)	Performance Appraisal	3
PSYCH 6204 (400:264)	Advanced Social Psychology	3
Practicum in I/O Psychology:		
PSYCH 6305 (400:291)	Practicum in Industrial/ Organizational Psychology	2
Electives in Psychology		3
(determined in consultation with the Graduate Coordinator)		
Total Hours		39

Industrial-Organizational 5th Year Emphasis

Requirements for all students (listed above):		11
Required for emphasis:		
Psychology:		
PSYCH 4604/5604 (400:149g)	Principles of Psychometrics	3
PSYCH 6301 (400:210)	Organizational Consulting and Change Management	2
PSYCH 6302 (400:232)	Training and Instructional Design	3
PSYCH 6303 (400:234)	Recruitment and Selection	3
PSYCH 6304 (400:237)	Performance Appraisal	3

PSYCH 6204 (400:264)	Advanced Social Psychology Practicum in I/O Psychology:	3
PSYCH 6305 (400:291)	Practicum in Industrial/ Organizational Psychology	2
Total Hours		30

Social Psychology Emphasis

Required for all students (listed above):		11
Required for emphasis:		
Psychology:		
PSYCH 4604/5604 (400:149g)	Principles of Psychometrics	3
PSYCH 3606/5606 (400:162g)	Special Topics in Social Psychology	3
PSYCH 6002 (400:241)	Research Design	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		3
(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 and Intellectual 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):	11
Required for emphasis: (hours determined in consultation with the faculty advisor and Graduate Coordinator)	30

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
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 6002 (400:241)	Research Design
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
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 and Intellectual 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	41

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

List of Programs by Department

Psychology or the Office of the Registrar, which serves as the centralized registry.

Industrial and Organizational Psychology Certificate

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 3919/5919 (150:119g)	Leadership and Human Relations	
MGMT 3155	Human Resource Management	
MGMT 3905/5905 (150:105g)	Employment and Labor Law	
MGMT 3187 (150:187)	Organization Structure and Design	

MGMT 3965/5965 (150:165g)	Organizational Behavior
MGMT 3966/5966 (150:166g)	Staffing and Employee Development
Education:	
POSTSEC 6218 (170:218)	Organization and Governance of Postsecondary Education
POSTSEC 6266 (170:266)	Administration of Student Affairs
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 Nonprofit and Youth Agencies
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.

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

June-July

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.

7S:163/EDTL:3063 Pre-intern Summer II (6 semester hours)

- Focus on content specific methods, classroom management and assessment.

August to December

7S:160/EDTL:3060 Pre-intern Fall (4 semester hours)

- 3 semester hours: focus on today's schools, demands, and the requirements of today's teachers.
- 1 semester hour: 24 contact hours of field experiences; focus is on observation and reflection.

January to April

7S:161/EDTL:3061 Pre-intern Spring (4 semester hours)

Prerequisite: 7S:160/EDTL:3060

- 3 semester hours: focus on teaching methods, classroom management, and lesson design.
- 1 semester hour: 28 contact hours of field experiences; focus is on assisting and teaching.

May

7S:162/EDTL:3062 Pre-intern Summer I (4 semester hours)

Prerequisite: 7S:161/EDTL:3061

- 3 semester hours: focus on researching the context of learning in the community and preparation for the internship experience.
- 1 semester hour: 8 contact hours of field experience; focus on tutoring students in a school setting.

August-May/June

7S:164/EDTL:3064 Internship Experience I and II (two 3 semester hour seminars; repeat registration for spring term)

Prerequisite: 7S:161/EDTL:3061

- Serve as the probationary teacher intern, a.k.a. the Teacher of Record, in an Iowa secondary school for one academic year and receive a salary and benefits commensurate with that position.
- Seminar focus on depth of previous course work, including Teacher Talk, Investigation Sessions, and Mentor Program participation

June

Included in 7S:164/EDTL:3064; one day, (6 contact hours) face-to-face session

- Conclusion of program; focus on final assignments.
- Recommendation for initial licensure.

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.

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.)**
 - All Science Teaching
 - Middle/Junior High School Science Teaching
- **Minor**
 - Basic Science (K-8)-Teaching
- **Graduate Major (M.A.)**
 - Science Education

Bachelor of Arts Degree Programs

All Science Teaching (*Extended Program*)

The All 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 biology, chemistry, earth science, physics, physical sciences, and general science.

Required

Science Education:

SCI ED 3200 (820:196)	Current Technologies in Science Teaching	2
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	3
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3

List of Programs by Department

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 100-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 100-level ^		7
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.

^ See course descriptions for 4-digit numbers associated with these 100-level courses.

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/Junior High School Science Teaching

The Middle/Junior High School Science Teaching major requires a minimum of 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 123 hours.

This major is intended for students who wish to teach science at the junior high or middle school level. As a stand-alone major, it fulfills 5-12 Basic Science endorsement.

Required

Educational Psychology:		
EDPSYCH 4151/5151 (200:151g)	Approaches to Classroom Management for Secondary Students	3
EDPSYCH 4152/5152 (200:152g)	Development of the Middle School Aged Child	3
Elementary, Early Childhood, and Middle Level Education:		
ELEMECML 4152/5152 (210:150g)	Middle Level Curriculum	2
Science Education:		
SCI ED 3200 (820:196)	Current Technologies in Science Teaching	2
SCI ED 3300/5300 (820:190g)	Orientation to Science Teaching	3
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 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
Physics:		
PHYSICS 1511 (880:054)	General Physics I	4
PHYSICS 1512 (880:056)	General Physics II	4
Electives in science: from biology, chemistry and biochemistry, physics and earth science at the 100-level or above or the following courses: ^		6
Total Hours		58

- * 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).
- ** *EARTHSCI 1100* (870:010) must be taken for four semester hours of credit.
- ^ See course descriptions for 4-digit numbers associated with these 100-level courses.

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)	Experiences in Elementary School Science	2
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

Master of Arts Degree Program Major in Science Education

Students interested in this program must submit a completed Application for Admission to Graduate Study. 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. Successful completion of a final written comprehensive examination 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

List of Programs by Department

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 Educational Research (250:205)	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
Total hours thesis option	30
Total hours non-thesis option	32

Thesis Option

Research:

SCI ED 6299 (820:299) Research	6
or EARTHSCI 6299 Research (870:299)	
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
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or EARTHSCI 6299 Research (870:299)	
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 Educational Research (250:205)	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
Total hours thesis option	30
Total hours non-thesis option	32

Thesis Option

Research:

SCI ED 6299 (820:299) Research	6
or PHYSICS 6299 Research (880:299)	
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 Research (880:299)	
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 Chair of the Science Education faculty.

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:		
SOC SCI 3190	Introduction to Teaching Social Studies	1
SOC SCI 4190 (900:190)	Methods of Teaching Social Studies	3
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. *		60
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
AND		
POL INTL 1024 (943:024)	International Relations	3
OR		
POL COMP 1040 (944:040)	Comparative Politics	3
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 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	

List of Programs by Department

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 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)	Indians in American History	
HISUS 4275/5275 (961:142g)	United States Constitutional History	
HISUS 4280/5280 (961:143g)	United States Labor History	

Anthropology

ANTH 1001 (990:010)	Human Origins	3
ANTH 1002 (990:011)	Culture, Nature, and Society	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

* 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)	Maps and Map Interpretation	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 4130/5130 (970:114g)	Political 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 4520/5520 (970:171g)	Issues in the Teaching of Geography	

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 Differences
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 3065/5065 (980:118g)	Health, Illness, and Dying	
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)	The Development of Social Theories
SOC 3090 (980:102)	Conflict Resolution
SOC 3102/5102 (980:168g)	Culture, Disease, and Healing
SOC 4025/5025 (980:160g)	Social Data Analysis
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 and one course from Category B:

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)	History of Classical Civilization
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

List of Programs by Department

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	
HISNW 4820/5820 (964:178g)	Modern Middle East History	
Plus 12 (or 15) hours in European, Asian, Latin American and/or African history from the following courses:		12-15
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)	History of Classical Civilization	
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	

HISNW 4740/5740 (964:175g)	Modern African History
HISNW 4710/5710 (964:176g)	Colonial Latin American History
HISNW 4720/5720 (964:180g)	Latin American 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

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.

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:		
SOC SCI 3190	Introduction to Teaching Social Studies	1
SOC SCI 4190 (900:190)	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
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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 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 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)	Indians in American History	
HISUS 4275/5275 (961:142g)	United States Constitutional History	
HISUS 4280/5280 (961:143g)	United States Labor History	

Economics

ECON 1041 (920:053)	Principles of Macroeconomics	3
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ECON 1051 (920:054)	Principles of Microeconomics	3
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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) or GEOG 1120 (970:010)	World Geography Human Geography	3
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GEOG 1210 (970:026) or GEOG 1310 (970:061)	Physical Geography Maps and Map Interpretation	3
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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	

List of Programs by Department

GEOG 4130/5130 (970:114g)	Political Geography
GEOG 4140/5140 (970:116g)	Geopolitics: (Variable Topic)
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
GEOG 4520/5520 (970:171g)	Issues in the Teaching of Geography

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 Differences	
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 3065/5065 (980:118g)	Health, Illness, and Dying
SOC 3070/5070 (980:170g)	The Development of Social Theories
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)	Social Data Analysis
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 and one course from Category B

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)	History of Classical Civilization
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 English History to 1688
(962:164g)

HISEUA 4460/5460 History of Germany to 1648
(962:171g)

HISEUA 4480/5480 The Ancient Near East
(962:151g)

Category B:

HISEUA 4420/5420 History of Ireland
(962:126g)

HISEUB 4510/5510 Europe from the French
Revolution to World War I
(963:155g)

HISEUB 4520/5520 Europe from World War I to
the Present
(963:160g)

HISEUB 4610/5610 English History since 1688
(963:165g)

HISEUB 4620/5620 History of Modern France
(963:174g)

HISEUB 4630/5630 History of Germany Since
1648
(963:172g)

HISEUB 4660/5660 History of Imperial Russia
(963:169g)

HISEUB 4670/5670 History of Soviet Russia
(963:170g)

HISEUB 4675/5675 Great Power Diplomacy from
the Congress of Vienna to the
Present
(963:157g)

HISEUB 4680/5680 Military History from
Napoleon to the Present
(963:154g)

HISEUB 4690/5690 Modern European Women's
History
(963:161g)

HISNW 4820/5820 Modern Middle East History
(964:178g)

Plus 3 (or 9) hours in European, Asian, Latin American and/or African history from the following courses: 3-9

HIST 3010 Readings in History
(960:189)

HIST 3000 Junior-Senior Seminar
(960:192)

HISEUA 4310/5310 History of Ancient Greece
(962:101g)

HISEUA 4320/5320 History of Ancient Rome
(962:103g)

HISEUA 4330/5330 History of Classical
Civilization
(962:123g)

HISEUA 4340/5340 Medieval Civilization
(962:152g)

HISEUA 4350/5350 The Renaissance and
Reformation
(962:153g)

HISEUA 4360/5360 Age of Absolutism and the
Enlightenment
(962:158g)

HISEUA 4420/5420 History of Ireland
(962:126g)

HISEUA 4440/5440 English History to 1688
(962:164g)

HISEUA 4460/5460 History of Germany to 1648
(962:171g)

HISEUA 4480/5480 The Ancient Near East
(962:151g)

HISEUB 4510/5510 Europe from the French
Revolution to World War I
(963:155g)

HISEUB 4520/5520 Europe from World War I to
the Present
(963:160g)

HISEUB 4610/5610 English History since 1688
(963:165g)

HISEUB 4620/5620 History of Modern France
(963:174g)

HISEUB 4630/5630 History of Germany Since
1648
(963:172g)

HISEUB 4660/5660 History of Imperial Russia
(963:169g)

HISEUB 4670/5670 History of Soviet Russia
(963:170g)

HISEUB 4675/5675 Great Power Diplomacy from
the Congress of Vienna to the
Present
(963:157g)

HISEUB 4680/5680 Military History from
Napoleon to the Present
(963:154g)

HISEUB 4690/5690 Modern European Women's
History
(963:161g)

HISNW 4710/5710 Colonial Latin American
History
(964:176g)

HISNW 4720/5720 Latin American History
(964:180g)

HISNW 4740/5740 Modern African History
(964:175g)

HISNW 4830/5830 Pre-Modern South Asia
(964:181g)

HISNW 4840/5840 Modern South Asia
(964:182g)

HISNW 4850/5850 Pre-Modern Chinese History
(964:183g)

HISNW 4860/5860 Modern Chinese History
(964:187g)

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.

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 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	Research	3
(900:299)		
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
 - 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

School of Applied Human Sciences:		
FAM SERV 1055 (31F:055)	Human Growth and Development	3
or PSYCH 2202 (400:120)	Developmental Psychology	
Social Work:		41
SW 1041 (450:041)	Social Welfare: A World View	
SW 2042 (450:042)	Social Services and Social Work	
SW 2091 (450:091)	Social Work Practice I	
SW 3184 (450:184)	Field Instruction *	
SW 3185 (450:185)	Social Work Research	
SW 3192 (450:192)	Social Work Practice II	
SW 4144/5144 (450:144g)	Social Policies and Issues	
SW 4163/5163 (450:163g)	Diversity and Difference	
SW 4164/5164 (450:164g)	Human Behavior and the Social Environment	
SW 4193/5193 (450:193g)	Therapeutic Communication	
or SW 4195/5195 (450:195g)	Family and Group Practice	
SW 4196/5196 (450:196g)	Community and Organizational Practice	
Select at least two of the following:		6
SW 4121/5121 (450:121g)	Mental Deviance and Mental Health Institutions	
SW 4142/5142 (450:142g)	Working With Racial and Ethnic Minorities	
SW 4143/5143 (450:143g)	Stress and Stress Management in the Helping Professions	
SW 4171/5171 (450:171g)	Addictions Treatment	
SW 4172/5172 (450:172g)	Human Services Administration	

SW 4173/5173 (450:173g)	Social Services for Older Adults	
SW 4175/5175 (450:175g)	Child Welfare Policy and Practice	
SW 4193/5193 (450:193g)	Therapeutic Communication **	
SW 4194/5194 (450:194g)	Seminar in Social Work ***	
SW 4195/5195 (450:195g)	Family and Group Practice **	
Social Work:		
SW 2080 (450:080) or SOC 2020 (980:080)	Statistics for Social Work ^ Statistics for Social Research	3
Total Hours		53

- * SW 3184 (450:184) can also be taken for 4 additional credit hours on an elective basis.
- ** SW 4193/5193 (450:193g) and SW 4195/5195 (450:195g) may be taken for elective credit if not taken to fulfill core course requirements.
- *** SW 4194/5194 (450:194g) may be repeated on different topics.
- ^ SOC 2020 (980:080) may be substituted by PSYCH 3003 (400:102) or STAT 1772 (800:072). STAT 1772 (800:072) may be used to satisfy Category 1C of the Liberal Arts.

A minimum cumulative grade point average for all college work of 2.40 and a 2.40 grade point average for all UNI courses taken is required for admission to the Social Work major. A minimum UNI grade point average of 2.40 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 3184 (450:184) , 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 2042 (450:042) ; SW 4164/5164 (450:164g) ; SW 3185 (450:185) ; statistics course; and a minimum UNI grade point average of 2.40.

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 1041 (450:041)	Social Welfare: A World View	3
SW 2042 (450:042)	Social Services and Social Work	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 4121/5121 (450:121g)	Mental Deviance and Mental Health Institutions	
SW 4143/5143 (450:143g)	Stress and Stress Management in the Helping Professions	
SW 4144/5144 (450:144g)	Social Policies and Issues	
SW 4163/5163 (450:163g)	Diversity and Difference	
SW 4164/5164 (450:164g)	Human Behavior and the Social Environment	
SW 4171/5171 (450:171g)	Addictions Treatment	
SW 4172/5172 (450:172g)	Human Services Administration	
SW 4173/5173 (450:173g)	Social Services for Older Adults	
SW 4175/5175 (450:175g)	Child Welfare Policy and Practice	

Total Hours		18
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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

List of Programs by Department

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 6230 (450:230)	Injustice and Oppression	3

Social Work Advanced Core: (for all two-year students)

SW 6234	Primary and Secondary Trauma	3
SW 6235	Systems Redesign and Community Collaboration	3
Social Work practicum and seminar:		8
SW 6220	Foundation Practicum	
SW 6221	Foundation Practicum Seminar	

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	

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 6245	Advanced Standing Research	3
Concentration: (select Trauma Informed Practice or Social Administration)		28
Total Hours		37

Trauma Informed Practice Concentration:

Social Work:

SW 6242 (450:242)	Advanced Social Work Practice with Individuals	3
SW 6243 (450:243)	Advanced Social Work Practice with Groups	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 6266	Trauma Informed Practice Practicum	8
SW 6267	Trauma Informed Practice Practicum Seminar	2

Or students may substitute the following for SW 6266 and SW 6267:

SW 6268	Trauma Informed Practice Practicum I	
SW 6269	Trauma Informed Practice Practicum I Seminar	
SW 6270	Trauma Informed Practice Practicum II	
SW 6271	Trauma Informed Practice Practicum II Seminar	

*Electives to be selected in consultation with program advisor		6
Total Hours		28

Social Administration Concentration:

SW 6213 (450:213)	Human Behavior and the Social Environment Macro	3
SW 6262 (450:262)	Administrative Social Work Practice	3
SW 6263 (450:263)	Grant Writing, Fund Raising, Contracting, and Marketing	3
SW 6264 (450:264)	Organizational Development and Networking	3
SW 6272	Advanced Social Administration Practicum	8
SW 6273	Advanced Social Administration Practicum Seminar	2

Or students may substitute the following for SW 6272 and SW 6273:

SW 6274	Advanced Social Administration Practicum I	
SW 6275	Advanced Social Administration Practicum I Seminar	
SW 6276	Advanced Social Administration Practicum II	
SW 6277	Advanced Social Administration Practicum II Seminar	

*Electives to be selected in consultation with program advisor	6
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.**

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 3184 (450:184)	Field Instruction *	11-15

Select one of the following:

SW 3102 (450:102)	Conflict Resolution	3
SW 4171/5171 (450:171g)	Addictions Treatment	
SW 4195/5195 (450:195g)	Family and Group Practice	

Select one of the following:

PSYCH 3403/5403 (400:142g)	Abnormal Psychology	3
PSYCH 3603/5603 (400:125g)	Child and Adolescent Psychopathology	
SW 4193/5193 (450:193g)	Therapeutic Communication	

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 3184: SW 2042 (450:042); SW 4164/5164 (450:164g); SW 3185 (450:185) (p. 362) 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.

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.

List of Programs by Department

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 4121/5121 (450:121g)	Mental Deviance and Mental Health Institutions	
SW 4142/5142 (450:142g)	Working With Racial and Ethnic Minorities	
SW 4143/5143 (450:143g)	Stress and Stress Management in the Helping Professions	
SW 4175/5175 (450:175g)	Child Welfare Policy and Practice	

Total Hours		12
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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
- **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

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

Sociology and Anthropology:		
SOC 2020 (980:080) or STAT 1772 (800:072)	Statistics for Social Research Introduction to Statistical Methods	3
ANTH 1001 (990:010)	Human Origins	3
ANTH 1002 (990:011)	Culture, Nature, and Society	3
ANTH 3001 (990:177)	Language and Culture	3
ANTH 3103 (990:161)	Religion, Magic, and Witchcraft	3
or ANTH 3101/5101 (990:164g)	Psychological Anthropology	
or ANTH 3102/5102 (990:168g)	Culture, Disease, and Healing	
or ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective	
ANTH 3201 (990:151) or ANTH 3202/5202 (990:152g)	Physical Anthropology: History and Theory Human Biological Variation	3
ANTH 3301 (990:141) or ANTH 3302 (990:142) or ANTH 3303 (990:143)	Mesoamerica and the Near East Archaeology of the New World Archaeology of the Old World	3
ANTH 4001/5001 (990:176g)	Anthropological Theory	3
Electives in anthropology		9
Electives in sociology		3
Total Hours		36

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 12 credit hours of criminology 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 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 4381/5381 (982:181g)	Topics in Criminology (as designated)

Group 3 - Interdisciplinary and Applied Studies in Criminology

Select from the following: 3-6

Criminology:		
CRIM 3130	Readings in Criminology	
Psychology:		
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	
PSYCH 3403/5403 (400:142g)	Abnormal Psychology	
Political Science:		
POL AMER 1048 (942:048)	Introduction to Public Administration	
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 1060 (980:060)	Social Problems	
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	
Anthropology:		
ANTH 3420 (990:155)	Forensic Anthropology	
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).

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Graduation note: In order to graduate with a major in criminology, students must achieve a total major GPA of at least 2.33.

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 2010 (980:108)	Research Methods	3
SOC 3070/5070 (980:170g)	The Development of Social Theories	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 3065/5065 (980:118g)	Health, Illness, and Dying	
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 3130/5130 (980:189g)	Readings in Sociology	
SOC 3170/5170 (980:180g)	Seminar in Sociology	
SOC 3411/ ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective	

SOC 4015/5015 (980:178g)	Qualitative Research Methods	
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SOC 4025/5025 (980:160g)	Social Data Analysis	
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SOC 4050 (980:101)	Sociology of Gender	
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SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences	
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CRIM 3151 (982:151)	Crime and Social Inequality	
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CRIM 4331/5331 (982:131g)	Women, Crime and Society	
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III. Professional Development elective:

SOC 3100/5100 (980:184g)	Theory and Practice in Applied Settings	3
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SOC 3120/5120 (980:145g)	Research Experience in Sociology	
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SOC 3179 (980:179)	Cooperative Education	
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SOC 4198 (980:198)	Independent Study	
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SOC 4200	Career and Professional Development	
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SOC 4485	Sociology Internship	
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Total Hours		33
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Minors

Anthropology Minor

Required

Anthropology:

ANTH 1001 (990:010)	Human Origins	3
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ANTH 1002 (990:011)	Culture, Nature, and Society	3
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ANTH 4001/5001 (990:176g)	Anthropological Theory	3
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Electives in anthropology		9
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Total Hours		18
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Criminology Minor

Required:

Sociology:

SOC 1000 (980:001)	Introduction to Sociology	3
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Criminology:

CRIM 2022 (982:022)	Criminal Justice System	3
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CRIM 2025 (982:025)	Criminology	3
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Electives:

Nine hours of courses with CRIM prefix		9
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Total Hours		18
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Sociology Minor

Required

Sociology:

SOC 1000 (980:001)	Introduction to Sociology	3
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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 3120/5120 (980:145g) , SOC 3100/5100 (980:184g) , SOC 3130/5130 (980:189g) , 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 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) or STAT 1772 (800:072)	Statistics for Social Research / Introduction to Statistical Methods	3
Total Hours		18

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) or ANTH 3080/5080 (990:120g)	Immigration and Transnationalism / 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
Philosophy and World Religions:		
RELS/PHIL 3110	Perspectives on Death and Dying	
Anthropology:		
ANTH/RELS 3103	Religion, Magic, and Witchcraft	
Sociology:		
SOC 2030 (980:105g)	Sociology of Families	
SOC 3035/5035 (980:125g)	Social Gerontology	
SOC 3065/5065 (980:118g)	Health, Illness, and Dying	
SOC 3085/5085 (980:172g)	Sociology of Religion	
SOC 4050 (980:101)	Sociology of Gender	
Criminology:		
CRIM 2127 (982:127)	Juvenile Delinquency ***	
Total Hours		15

List of Programs by Department

- * 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 3065/5065 (980:118g)	Health, Illness, and Dying	
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.

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)
 - Instructional Strategist I: Mild/Moderate K-8 Emphasis (declared prior to Summer 2014)
 - Instructional Strategist I: Mild/Moderate 5-12 Emphasis (declared prior to Summer 2014)
 - Instructional Strategist II: Mental Disabilities K-12 Emphasis (declared prior to Summer 2014)
 - Teacher of Students With Visual Impairments (TVIS)
- **Graduate Majors (M.A.E.)**

- Special Education
- Teacher of Students With Visual Impairments

Undergraduate Programs

Minors

Early Childhood Special Education Minor-Teaching

Required		
SPED 4140/5140 (220:140g)	Services to Families with Infants and Toddlers with Disabilities	3
SPED 4141/5141 (220:141g)	Including Young Children with Special Needs Into the General Education Programs	3
SPED 4153/5153 (220:153g)	Introduction to Assistive Technology for Instruction	3
Special Education:		
SPED 4192/5192 (220:192g)	Experience in Special Education (Practicum with Children with Disabilities in Least Restrictive Environment)	3
SPED 4192/5192 (220:192g)	Experience in Special Education (Practicum in Home Intervention)	1
Total Hours		13

Special Education Minor-Teaching Instructional Strategist Minor

FOR STUDENTS WHO DECLARE THIS MINOR SUMMER 2014 OR AFTER:

This minor will lead to certification 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 (280:135) in both the major and the Instructional Strategist special education minor endorsement area. **STUDENTS WHO DECLARE THE INSTRUCTIONAL STRATEGIST MINOR SUMMER 2014 OR AFTER WILL FOLLOW THE MINOR REQUIREMENTS BELOW.** Please seek advisement as needed.

Required Special Education Core:

SPED 4151/5151 (220:151g)	Educational and Post-School Transition Programming for Individuals with Disabilities	3
SPED 4170/5170 (220:170g)	Educational Management in Special Education	3
SPED 4174/5174 (220:174g)	Specialized Assessment and Instruction for Students with Disabilities	3

SPED 4176/5176	Issues and Applications in Special Education	3
SPED 4181/5181	Creating and Sustaining Positive Inclusive Learning Environments (K-12)	3
SPED 4192/5192 (220:192g)	Experience in Special Education (Field Experience 1: Foundations Block)	3

Additional Instructional Strategist minor endorsement requirements:*

One of the following:		3
SPED 4146/5146 (220:146g)	Designing Curriculum & Instruction - Elementary Students Mild/Moderate Disabilities (K-8)	
or		
SPED 4147/5147 (220:147g)	Designing Curriculum & Instruction - Secondary Students with Mild/Mod Disabilities (5-12)	
or		
SPED 4183/5183 (220:183g)	Designing Curriculum and Instruction for Students with Intellectual Disabilities (K-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 4146/5146 (220:146g) and corequisite SPED 4192/5192 (220:192g).
 Instructional Strategist I 5-12: SPED 4147/5147 (220:147g) and corequisite SPED 4192/5192 (220:192g).
 Instructional Strategist II Intellectual Disabilities K-12 SPED 4183/5183 (220:183g) and SPED 4192/5192 (220:192g).

FOR STUDENTS WHO DECLARED THIS MINOR PRIOR TO SUMMER 2014:

STUDENTS WHO HAVE DECLARED THE INSTRUCTIONAL STRATEGIST I: MILD/MODERATE K-8 OR INSTRUCTIONAL STRATEGIST I: MILD/MODERATE 5-12 OR INSTRUCTIONAL STRATEGIST II: MENTAL DISABILITIES K-12 PRIOR TO SUMMER 2014 SHOULD FOLLOW THE REQUIREMENTS FOR THOSE ENDORSEMENTS AS LISTED BELOW:

Instructional Strategist I: Mild/Moderate K-8 Emphasis

This minor will lead to certification in teaching students with mild to moderate disabilities (Instructional Strategist I). Students must complete all requirements for an Early Childhood, Elementary, or Secondary Education major and complete student teaching TEACHING 3135 (280:135) in both the major and the special education minor endorsement area. **Students who have declared the Instructional Strategist I: Mild/Moderate K-8 prior to Summer**

List of Programs by Department

2014 should follow the requirements listed below. PLEASE SEEK ADVISEMENT AS NEEDED.

Required

Special Education core:		
SPED 4170/5170 (220:170g)	Educational Management in Special Education	3
SPED 4174/5174 (220:174g)	Specialized Assessment and Instruction for Students with Disabilities	3
SPED 4184/5184 (220:184g)	Professional Interdisciplinary Relationships in Special Education I	3
SPED 4192/5192 (220:192g)	Experience in Special Education	3

Minor requirements

Special Education:		
SPED 4142/5142 (220:142g)	Classroom Instructional Management for Students with Disabilities (K-8) *	12
SPED 4192/5192 (220:192g)	Experience in Special Education (corequisite)	
SPED 4146/5146 (220:146g)	Designing Curriculum & Instruction - Elementary Students Mild/Moderate Disabilities (K-8)	
SPED 4176/5176	Issues and Applications in Special Education	
Total Hours		24

Instructional Strategist I: Mild/Moderate 5-12 Emphasis

This minor will lead to certification in teaching students with mild to moderate disabilities (Instructional Strategist I). Students must complete all requirements for an Early Childhood, Elementary, or Secondary Education major and complete student teaching TEACHING 3135 (280:135) in both the major and the special education minor endorsement area. **Students who have declared the Instructional Strategist I: Mild/Moderate 5-12 prior to Summer 2014 should follow the requirements listed below.** Please seek advisement as needed.

Required

Special Education core:		
SPED 4170/5170 (220:170g)	Educational Management in Special Education	3
SPED 4174/5174 (220:174g)	Specialized Assessment and Instruction for Students with Disabilities	3
SPED 4184/5184 (220:184g)	Professional Interdisciplinary Relationships in Special Education I	3
SPED 4192/5192 (220:192g)	Experience in Special Education	3

Minor requirements

Special Education:		
SPED 4143/5143 (220:143g)	Classroom Instructional Management for Students with Disabilities (5-12) *	15
SPED 4192/5192 (220:192g)	Experience in Special Education (corequisite)	
SPED 4147/5147 (220:147g)	Designing Curriculum & Instruction - Secondary Students with Mild/Mod Disabilities (5-12)	
SPED 4151/5151 (220:151g)	Educational and Post-School Transition Programming for Individuals with Disabilities	
SPED 4176/5176	Issues and Applications in Special Education	
Total Hours		27

* Corequisite SPED 4192/5192 (220:192g).

Instructional Strategist II: Mental Disabilities K-12 Emphasis

This minor will lead to certification for teaching students with moderate, severe and profound disabilities from chronological ages 5-21 (Instructional Strategist II). Students must complete all requirements for an Early Childhood, Elementary, or Secondary Education major and complete student teaching TEACHING 3135 (280:135) in both the major and the special education minor endorsement area. **Students who have declared the Instructional Strategist II: Mental Disabilities K-12 prior to Summer 2014 should follow the requirements below.** Please seek advisement as needed.

Required

Special Education:		
SPED 4142/5142 (220:142g)	Classroom Instructional Management for Students with Disabilities (K-8)	3
or SPED 4143/5143 (220:143g)	Classroom Instructional Management for Students with Disabilities (5-12)	
SPED 4153/5153 (220:153g)	Introduction to Assistive Technology for Instruction	3
SPED 4167/5167 (220:167g)	Current Issues in the Education of Students with Severe Disabilities	2
SPED 4183/5183 (220:183g)	Designing Curriculum and Instruction for Students with Intellectual Disabilities (K-12)	3
SPED 4184/5184 (220:184g)	Professional Interdisciplinary Relationships in Special Education I	3
SPED 4187/5187 (220:187g)	Teaching Preschool and Elementary Students with Severe Disabilities	3
SPED 4192/5192 (220:192g)	Experience in Special Education	6
Communicative Disorders:		

CSD 4100/5100 (51C:160g)	Augmentative Communication	2
Total Hours		25

Teacher of Students With Visual Impairments (TVIS) Minor

This minor will lead to endorsement for teaching students with visual impairments, from birth to 21. Students must complete the requirements for an Early Childhood, Elementary, or Secondary Education major and complete student teaching TEACHING 3135 (280:135) in both the major and the special education minor endorsement area.

Required

Special Education core:		
SPED 4125/5125 (220:125g)	Current Issues in Visual Impairments	2
SPED 4126/5126 (220:126g)	Braille Learning and Tactile Communication I	3
SPED 4132/5132 (220:132g)	Introduction to Visual Impairments	3
SPED 4134/5134 (220:134g)	Foundations of Orientation and Mobility	3
SPED 4136/5136 (220:136g)	Methods of Teaching Students with Visual Impairments	3
SPED 4138/5138 (220:138g)	Anatomy of the Eye and Educational Implications of Low Vision	3
SPED 4153/5153 (220:153g)	Introduction to Assistive Technology for Instruction	3
SPED 4192/5192 (220:192g)	Experience in Special Education (2 required in Visual Impairments K-12 for total of 6 hrs)	6
Total Hours		26

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
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
Total Hours		30

Field Specialization Emphasis

Required

Special Education:		
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
or ELEMECML 6270 (210:270)	Recent Developments in Middle Level Curriculum	

List of Programs by Department

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.

Career/Vocational Programming and Transition 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 4160/5160	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.

Teacher of Students With Visual Impairments

This major will lead to an M.A.E. degree for teaching students with visual impairments from birth to 21. Students must have completed the requirements for an Early Childhood, Elementary, or Secondary Education major at the B.A. level to be enrolled in this major.

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. A **minimum of 44 hours** is required for the **thesis** option; a **minimum of 41 hours** is required for the **non-thesis** option. A **minimum of 15 hours of 200/6000-level course work is required on the thesis option. A minimum of 12 hours of 200/6000-level course work is required on the non-thesis option.**

Successful completion of a thesis and a comprehensive examination are required for the **thesis** option. Successful completion of a research paper and a comprehensive examination are required for the **non-thesis** option.

Note that students should take an additional nine hours of student teaching to qualify for the Teacher of Students With Visual Impairments State Endorsement.

Required professional core

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

Measurement and Research:

MEASRES 6205 (250:205)	Educational Research	3
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Required special education core

Special Education:		
SPED 6293 (220:293)	Qualitative Research in Special Education	3
SPED 6295 (220:295)	Single-subject Research Applications	3

TVI emphasis requirement

Special Education:		
SPED 4125/5125 (220:125g)	Current Issues in Visual Impairments	2
SPED 4126/5126 (220:126g)	Braille Learning and Tactile Communication I	3
SPED 4132/5132 (220:132g)	Introduction to Visual Impairments	3
SPED 4134/5134 (220:134g)	Foundations of Orientation and Mobility	3
SPED 4136/5136 (220:136g)	Methods of Teaching Students with Visual Impairments	3
SPED 4138/5138 (220:138g)	Anatomy of the Eye and Educational Implications of Low Vision	3
SPED 4153/5153 (220:153g)	Introduction to Assistive Technology for Instruction	3
SPED 4192/5192 (220:192g)	Experience in Special Education (2 required for a total of 6 hrs)	6

Research 3-6

SPED 6299 (220:299)	Research	
Thesis (6 hrs.)		
Non-thesis (3 hrs.)		
Total hours thesis option		44
Total hours non-thesis option		41

Teaching

(College of Education)

www.uni.edu/coe/departments/department-teaching

The Department of Teaching is responsible for the administration of multi-faceted programs of the Office of Student Field Experiences (OSFE).

Student Field Experiences

www.uni.edu/stdteach

The Office of Student Field Experiences 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.

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 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

Minors

- Electrical and Electronics Technology (EET)
- Graphic Technologies
- Manufacturing Technology Design
- Technology Education - Teaching
Technology Management

Graduate Major (M.S.)

- Technology

Graduate Major (D.T.)

List of Programs by Department

- Doctor of Technology

Program Certificates

- Advanced Technology
- 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.

Student must earn a minimum UNI GPA of 2.20 to register for upper division (100/3000/4000-level) Construction Management courses.

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
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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)	Introduction to Decision Techniques *
ECON 1031 (920:024)	Introduction to Economics

Mathematics and Science: 15

Mathematics:

MATH 1420 (800:060)	Calculus I
STAT 1772 (800:072)	Introduction to Statistical Methods

Chemistry and Biochemistry:

CHEM 1110 (860:044)	General Chemistry I
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Physics:

PHYSICS 1511 (880:054)	General Physics I
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Total Hours 84

* ECON 1021 (920:020) Introduction to Decision Techniques 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.

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. EET program is Iowa's first and only ABET-TAC accredited program.

Required Mathematics and Science core: 22

Mathematics:

MATH 1140 (800:046)	Precalculus
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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) or CS 1130 (810:030)	C/C++ Programming Visual BASIC Programming
Physics:	
PHYSICS 1511 (880:054)	General Physics I
PHYSICS 1512 (880:056)	General Physics II
Required Technical Core:	
Technology:	52
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
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

Manufacturing Technology Major

The B.S. Manufacturing 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) or MATH 1420 (800:060)	Calculus for Technology Calculus I
Chemistry and Biochemistry	
CHEM 1020 (860:020) or CHEM 1110 (860:044)	Chemical Technology General Chemistry I
Physics:	
PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130)	General Physics I 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)	Manufacturing Processes I
TECH 1010 (330:010)	Manufacturing Processes II
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 Manufacturing
TECH 3196 (330:196)	Industrial Safety

List of Programs by Department

TECH 4110/5110	Manufacturing Process Planning	
TECH 4112 (330:112)	Industrial Projects I	
TECH 4113 (330:197)	Industrial Projects II	
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	
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 3177/5177 (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 3113 (330:113)	Manufacturing Tooling
TECH 3115 (330:115)	Fundamentals of Electrical and Electronic Technology
TECH 3119 (330:119)	Computer Applications in Technology

TECH 3127 (330:127)	Transport Phenomena for Technologists
TECH 3131/5131 (330:131g)	Technical Project Management
TECH 3177/5177 (330:177g)	Advanced Manufacturing Processes
TECH 3179 (330:179)	"Cooperative Education" (3 hrs. maximum)
TECH 3183 (330:183)	Fundamentals of Manufacturing Engineering
TECH 3188/5188 (330:188g)	Nanotechnology Fabrication
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
MGMT 3919/5919 (150:119g)	Leadership and Human Relations

Communication:

COMM 3155 (48C:173)	Business and Professional Oral Communication
COMM 4355/5355 (48C:141g)	Listening

Philosophy:

PHIL 2500	Ethics
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Sociology:

SOC 3090 (980:102)	Conflict Resolution
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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)	Manufacturing Processes I	3
TECH 1010 (330:010)	Manufacturing Processes II	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

List of Programs by Department

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 (61hours), plus university electives (14 hours) to complete the minimum of 120 hours.

Required:

Mathematics-Science Core		10
Mathematics: (one of the following)		3
MATH 1100 (800:023)	Mathematics in Decision Making	
STAT 1772 (800:072)	Introduction to Statistical Methods	
Chemistry and Biochemistry (select one of the following):		4
CHEM 1010 (860:010)	Principles of Chemistry	

CHEM 1020 (860:020)	Chemical Technology	
CHEM 1110 (860:044)	General Chemistry I	
Computer Science: (one of the following)		3
CS 1000 (810:021)	Computing Skills and Concepts	
CS 1050 (810:020)	Computing for All	
Business and Management:		15
TECH 3179 Cooperative Education		
TECH 3196 (330:196)	Industrial Safety	
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management *	
TECH 4193	Graphic Communication Estimating and Management II	
TECH 4194/5194 (330:194g)	Graphic Communications Estimating and Management I	
Technology:		30
TECH 1022 (330:022)	Communication Technology	
TECH 1055 (330:055)	Graphic Communications Foundations	
TECH 2070 (330:070)	Digital Pre-Media	
TECH 3144 (330:144)	Web Publishing	
TECH 3150/5150 (330:150g)	Graphic Communications Imaging	
TECH 3163/5163 (330:163g)	Advanced Digital Pre-Media	
TECH 3169 (330:169)	Digital Imaging I	
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	
TECH 4161/5161 (330:161g)	Digital Graphic Communications	
TECH 4184/5184	Digital Imaging II	
Electives:		
Technology/Art (select two of the following technical electives):		6
TECH 1011	Introduction to Graphic Programs	
TECH 1065 (330:065)	Technology in Society and Organizations	
TECH 3115 (330:115)	Fundamentals of Electrical and Electronic Technology	
ART 2030 (600:025)	Graphic Design I	
Total hours		62

* TECH 4187/5187 (330:187g) has a prerequisite of TECH 3131; TECH 3143; or consent of instructor; junior standing.

List of Programs by Department

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 1065 (330:065)	Technology in Society and Organizations
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 Manufacturing
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management

Technical Electives: ** 42

TECH 1008 (330:008)	Manufacturing Processes I
TECH 1010 (330:010)	Manufacturing Processes II
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 3102 (330:102)	Living in Our Techno-Social World
TECH 3114 (330:114)	Product Development and Enterprise
TECH 3115 (330:115)	Fundamentals of Electrical and Electronic Technology
TECH 3119 (330:119)	Computer Applications in Technology
TECH 3169 (330:169)	Digital Imaging I
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	73

* Equivalency requires approval by department.

** A minimum of 42 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.

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.

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	
Computer Science:		3
CS 1130 (810:030) or CS 1160 (810:036)	Visual BASIC Programming 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 1022 (330:022)	Communication Technology	3
TECH 1055 (330:055)	Graphic Communications Foundations	3
TECH 2070 (330:070)	Digital Pre-Media	3
TECH 3196 (330:196)	Industrial Safety	3
TECH 4161/5161 (330:161g)	Digital Graphic Communications	3
Electives:		

Technology (select two of the following): 6

TECH 3144 (330:144)	Web Publishing	
TECH 3150/5150 (330:150g)	Graphic Communications Imaging	
TECH 3163/5163 (330:163g)	Advanced Digital Pre-Media	
TECH 3169 (330:169)	Digital Imaging I	
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	
TECH 4194/5194 (330:194g)	Graphic Communications Estimating and Management I	

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)	Calculus for Technology	
or MATH 1420 (800:060)	Calculus I	
CHEM 1020 (860:020)	Chemical Technology	
or CHEM 1110 (860:044)	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)	Manufacturing Processes I	

List of Programs by Department

TECH 1010 (330:010)	Manufacturing Processes II	
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
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Technology:

TECH 3119 (330:119)	Computer Applications in Technology	3
TECH 3131/5131 (330:131g)	Technical Project Management	3
or TECH 3143	Managing Operations and Manufacturing Systems	
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. A minimum of 9 graduate credit hours from 5000 or 6000 level courses should be taken in the department of Technolog.	9

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 Technology Degree Program

The Doctor of Technology (D.T.) degree is designed to develop scholars in the fields of education and industry. The University of Northern Iowa offers the D.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.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 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.
5. Designers, coordinators and directors of applied/engineering and/or industrial training or human resource programs, and related industrial applications.

The Doctor of 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 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

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.T. Internship: 6

TECH 7388 (330:388)	Doctoral Internship
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List of Programs by Department

D.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.

Advanced Technology Certificate

This Advanced Technology Certificate program provides graduate students with the competencies, skills, and knowledge essential for the industrial technology environment where technical, supervisory, and managerial competencies are crucial. This program will provide an alternative to the program leading to the Master of Science in Technology degree, but the student may continue to satisfy the coursework requirements for the Master of Science in Technology degree if it is their desire. Completion of the 15 hours in any one of the seven areas will certify that an individual has completed a program approved by the university. There are seven areas and each will constitute a certificate area of 15 semester hours: Industrial Management, Construction Management, Electrical Engineering Technology, Graphic Communications, Manufacturing Materials, Manufacturing Technology, and Technology Education and Training.

All graduate students must be admitted to the Graduate College and satisfy all admission requirements specified for the Department of Technology Master of Science degree program. Upon completion of the 15 hours, the Department of Technology will award the program certificate.

For information on the following program certificates, contact the Graduate Coordinator of the Department of Technology.

Industrial Management:

Required:	
Management:	3
MGMT 6260 (150:262)	Strategic Management of Human Resources
Technology:	6
TECH 6258 (330:258)	Total Quality Management
TECH 6295 (330:295)	Advanced Management and Supervision Technology
Management/Technology/Psychology (select two of the following):	6
MGMT 6249 (150:249)	Management Information Systems Concepts
TECH 6225 (330:225)	Integrated Logistics and Production Operations
TECH 6250 (330:250)	Technology of Productivity Improvement

TECH 6294 (330:294)	Technological Evolution and Innovation
PSYCH 3305/5305 (400:157g)	Industrial Psychology
PSYCH 3304/5304 (400:158g)	Organizational Psychology

Total Hours 15

Construction Management:

Required:

Technology:	9
TECH 6262 (330:262)	Sustainable/Green Building Construction
TECH 6265 (330:265)	Risk Analysis and Management in Construction
TECH 6286 (330:286) *	
Technology (select two of the following):	6
TECH 3125/5125 (330:125g)	Commercial and Heavy/ Highway Construction
TECH 3126/5126 (330:126g)	Land, Route, and Construction Surveying
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

Total Hours 15

* 3 hrs. Studies In approved by instructor, advisor, and department.

Electrical Engineering Technology:

Required:

Technology:	12
TECH 4104/5104 (330:104g)	Applied Digital Signal Processing
TECH 3166/5166 (330:166g)	Advanced Electrical Power Systems
TECH 6242 (330:242)	Complex Digital System Design
TECH 6244 (330:244)	Applied Embedded Systems
Technology electives approved by advisor:	3
Total Hours	15

Graphic Communications:

Required:

Technology:	9
TECH 4194/5194 (330:194g)	Graphic Communications Estimating and Management I

TECH 6286 (330:286) Studies in, 3 hrs.		
TECH 6294 (330:294)	Technological Evolution and Innovation	
Technology (select two of the following):		6
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	
TECH 4161/5161 (330:161g)	Digital Graphic Communications	
Total Hours		15

Manufacturing Materials:

Required:

Technology:		9
TECH 3132/5132 (330:132)	Metallurgy and Phase Transformation	
TECH 6231 (330:231)	Thermodynamics of Material Processing	
TECH 6235 (330:235)	Material Transformations and Modeling	
Technology/Mathematics/Physics (select two of the following):		6
TECH 3188/5188 (330:188g)	Nanotechnology Fabrication	
MATH 3440/5440 (800:176g)	Numerical Analysis	
PHYSICS 4200/5200 (880:144g)	Introduction to Nanoscience and Nanotechnology	
PHYSICS 4210/5210 (880:148g)	Intermediate Nanoscience and Nanotechnology	
Total Hours		15

Manufacturing Technology:

Required:

Technology:		9
TECH 6250 (330:250)	Technology of Productivity Improvement	
TECH 6273 (330:273)	Machining Process Planning	
TECH 6275 (330:275)	Advanced Lean Manufacturing	
Marketing/Management/Technology/Economics (select two of the following):		6
MKTG 6170 (130:263)	Marketing Management	
MGMT 6249 (150:249)	Management Information Systems Concepts	
TECH 6258 (330:258)	Total Quality Management	
TECH 6295 (330:295)	Advanced Management and Supervision Technology	

ECON 6520 (920:260)	Managerial Economics	
Total Hours		15

Technology Education and Training:

Required:

Technology:		12
TECH 3168/5168 (330:168g)	Technology Training Strategies	
or TECH 4178/5178 (330:178g)	Contemporary Instruction in Technology Education	
TECH 4195/5195 (330:195g)	Technology and Engineering Education Laboratory Management	
or TECH 6291 (330:291)	Technical Program Development	
TECH 6290 (330:290)	Training and Development in Industrial Technology	
TECH 6294 (330:294)	Technological Evolution and Innovation	
Technology/Psychology (select one of the following):		3
INSTTECH 6245 (240:245)	Applying Instructional Design	
PSYCH 6302 (400:232)	Training and Instructional Design	
Total Hours		15

**Technology Management Certificate
(undergraduate)**

Required:

Technology:		18
TECH 1065 (330:065)	Technology in Society and Organizations	
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)

List of Programs by Department

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 122 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 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)	Oral Interpretation: Texts in Performance	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 EM 1611 (48E:021)	Media Literacy	3
Theatre:		
COMM 2455 (48C:015)	Group Performance: Scripting and Directing <small>THEATRE 1010 is a co-requisite with THEATRE 1011</small>	3
or THEATRE 1010 (490:010)	Foundations of Theatre	
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.) <small>This course is a co-requisite for THEATRE 1010</small>	
THEATRE 2050 (490:050)	Theatre Practicum (1 hr.) ***	

Electives

Select one of the following: 3

List of Programs by Department

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 EM 1655 (48E:003)	Introduction to Electronic Production (3 hrs.)
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.

* LAC Category 1B may be satisfied by two courses distributed as follows:
COMM 2256 (48C:011) or COMM 2255 (48C:071) or COMM 2257 (48C:074); AND COMM 2344 (48C:004) or COMM 1205 (48C:031).

** 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 Against a Violent Environment) Forum Actors, and UNI Forensics.

**** For the LAC Category Fine Arts requirement (Category 3A) we recommend that Communication-Theatre Education majors take THEATRE 1002: The Theatrical Arts and Society (3 credit hours).

***** For the LAC Capstone Experience (Category 6), we recommend that Communication-Theatre Education majors take THEATRE 3100/CAP 3106: Theatre in Education (3 credit 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 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		31

Requirements for the three options are as follows:

Performance Emphasis

Required

Theatre core	31
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List of Programs by Department

Theatre:		
THEATRE 1025	Body, Voice, Awareness	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 (6 hours selected from departmental electives below)		6
Total Hours		55

Design and Production Emphasis

Required		
Theatre core		31
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 3140 (490:141)	Design: Sets	3
THEATRE 3145 (490:142)	Design: Lights	3
THEATRE 3150 (490:143)	Design: Costumes	3
Departmental electives (6 hours selected from departmental electives below)		6
Total Hours		56

Drama and Theatre for Youth Emphasis

Required		
Theatre core		31
Theatre:		
THEATRE 3000 (490:101)	Creative Drama	3
THEATRE 3100/CAP 3106 (CAP:106)	Theatre in Education	3
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:

Select 6 hours from the following departmental electives:

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
THEATRE 3195/5195 (490:168g)	Playwriting	3

1-6

Minors

See admission requirements for Theatre minors.

Communication - Theatre Minor - Teaching

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)	Oral Interpretation: Texts in Performance **	3
COMM 2257 (48C:074)	Argumentation and Debate **	3
COMM EM 1611 (48E:021)	Media Literacy	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	3

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)	Group Performance: Scripting and Directing	
THEATRE 1010 (490:010) & THEATRE 1011 (490:011)	Foundations of Theatre and Foundations of Theatre Lab	

List of Programs by Department

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.
- ** LAC Category 1B may be satisfied by two courses distributed as follows:
COMM 2256 (48C:011) or COMM 2255 (48C:071) or
COMM 2257 (48C:074); AND COMM 2344 (48C:004) or
COMM 1205 (48C:031).
- *** These classes must be taken before THEATRE 3160 (490:161).

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

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)	Stagecraft: Scenery/Lights	3
or THEATRE 1015 (490:016)	Stagecraft: Costumes	
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

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 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:

Common Course Numbers

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	Communication Studies: Electronic Media	Communication Studies
48J	COMM J	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	ELEMECML	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 Science
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, Physical Education, and Leisure Services
410	HPE	Health Promotion and Education	Health, Physical Education, and Leisure Services
440	HPELS	Health, Physical Education, and Leisure Services, Interdepartmental	Health, Physical Education, and Leisure Services
430	LYHS	Leisure, Youth and Human Services	Health, Physical Education, and Leisure Services
420	PEMES	Physical Education	Health, Physical Education, and Leisure Services
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

Guide to Course Number Prefixes

000	INDIVSTU	Individual Studies	Interdisciplinary	290	COUN	Counseling	School of Applied Human Sciences
710	CHIN	Chinese	Languages and Literatures	31F	FAM SERV	Family Services	School of Applied Human Sciences
620	ENGLISH	English Language and Literature	Languages and Literatures	31G	GERO	Gerontology	School of Applied Human Sciences
720	FREN	French	Languages and Literatures	31I	INTDSGN	Interior Design	School of Applied Human Sciences
740	GER	German	Languages and Literatures	310	NUTR	Nutrition	School of Applied Human Sciences
700	LANG	Languages	Languages and Literatures	31T	TEXDSGN	Textiles and Apparel	School of Applied Human Sciences
790	PORT	Portuguese	Languages and Literatures	820	PSM	Professional Science Masters	Science Education
770	SLAV	Russian	Languages and Literatures	820	SCI ED	Science Education	Science Education
780	SPAN	Spanish	Languages and Literatures	830	ENV SCI	Environmental Science	Science Education
630	TESOL	TESOL/Applied Linguistics	Languages and Literatures	900	SOC SCI	Social Science	Social Science
150	MGMT	Management	Management	450	SW	Social Work	Social Work
130	MKTG	Marketing	Marketing	990	ANTH	Anthropology	Sociology, Anthropology, and Criminology
800	ACT SCI	Actuarial Science	Mathematics	982	CRIM	Criminology	Sociology, Anthropology, and Criminology
800	MATH	Mathematics	Mathematics	980	SOC	Sociology	Sociology, Anthropology, and Criminology
800	STAT	Statistics	Mathematics	220	SPED	Special Education	Special Education
080	MIL SCI	Military Science	Military Science	280	TEACHING	Teaching	Teaching
540	MUS APPL	Music Applied	School of Music	330	TECH	Technology	Technology
570	MUS ED	Music Education	School of Music and Methods	490	THEATRE	Theatre	Theatre
530	MUS ENS	Music Ensembles	School of Music	010	UNIV	University, Interdisciplinary	University, Interdisciplinary
590	MUS HIST	Music History	School of Music	some 680 and 900 prefixes	WGS	Women's and Gender Studies	Women's and Gender Studies
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				

Course Descriptions

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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, Spring, Summer)

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, Spring, Summer)

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 4032/5032 (120:141g). Advanced Cost Accounting — 3 hrs.

Emphasis on advanced costing techniques such as activity based costing, benchmarking, balanced scorecard, theory of constraints, and others necessary for management decision making. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); C- or better in ACCT 3130 (120:131); junior standing. (Variable)

Course Descriptions

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 (120:130); ACCT 4160 (120:134); ACCT 3140 (120:136); MGMT 2080 (150:080); junior standing. (Fall and Spring)

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. (Variable)

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 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 6032 (120:263). Cost Management — 3 hrs.

Study of the development and implementation of cost management systems that support operations in "World Class" manufacturing, service, and other organizations. Includes activity-based costing, costs of quality, strategic control systems, and management control systems.

Prerequisite(s): ACCT 3130 (120:131); admission to MAcc program. (Variable)

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 6060 (120:240). Advanced Auditing — 3 hrs.

Examination of selected professional issues that will be confronted in practice. Specific topical coverage will vary as contemporary issues emerge. Prerequisite(s): ACCT 4160 (120:134); admission to MAcc program. (Variable)

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). Advanced Accounting Systems — 3 hrs.

Provides in-depth understanding of accounting information system technologies and theories as well as corporate governance as relates to internal control. Topics include the technologies and theories most relevant to 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)

Courses

ACT SCI 3731 (800:146). Actuarial Examination Preparation — 1-3 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)) (Fall and 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). (Fall and Spring)

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. (Fall)

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; consent of instructor. (Spring)

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). Culture, Nature, and Society — 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 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 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)) (Spring)

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 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)

Course Descriptions

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 3301 (990:141). Mesoamerica and the Near East — 3 hrs.

Beginnings of food production, rise of complex culture and collapse of cultural systems as interpreted through archaeological data. Comparative approach focusing on Mesoamerica and the Near East. Prerequisite(s): ANTH 1001 (990:010); junior standing or consent of instructor. (Variable)

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 3410/5410 (990:148g). Applied Anthropology — 3 hrs.

Consideration of application of anthropology in analyzing and addressing contemporary social problems. Topics include economic development, public health, ethnic relations, and education. Prerequisite(s): SOC 1000 (980:001) or ANTH 1002 (990:011); junior standing. (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 3430 (990:144). Prehistory of the American Southwest — 3 hrs.

Archaeological record of the American Indians of New Mexico, Arizona, southern Colorado, and southern Utah from earliest big-game hunters of the region, through development of agriculture, rise of large pueblos and cliff dwellings, and enigmatic abandonments prior to conquest by the Spaniards. Prerequisite(s): ANTH 1001 (990:010) or ANTH 1002 (990:011); junior standing. (Variable)

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. (Same as CRIM 4262/5262 (982:162g)) (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 3460 (990:153). 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 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. (Same as SW 3102 (450:102) and SOC 3090 (980:102)) (Variable)

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 4015/5015 (990:178g). Qualitative Research Methods — 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)] (Fall)

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)

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; cognitive development of children as related to aesthetic production and understanding; curricular development and assessment. Prerequisite(s): Foundations Sequence. Corequisite(s): Level I in the Professional Education Requirements, 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 budgeting, assessment, communication techniques, cultural sensitivity, and special needs. Includes field experience. Prerequisite(s): ARTED 2500 (600:091); full admission to Teacher Education Program. (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, age appropriate materials and lessons in classroom safety and secondary social issues. Requires 30 hours field experience. Prerequisite(s): ARTED 2500 (600:091); ARTED 2600 (600:092). Corequisite(s): Level II of Professional Education Requirements, or consent of instructor. (Variable)

ARTED 4500 (600:121). Issues and Theories in Art Education — 2 hrs.

Study and discussion of social and political currents in the field. Exploration of the role of art and the educator within schools. Resume and portfolio preparation. Prerequisite(s): ARTED 3505 (600:119). (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; 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)

Course Descriptions

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 4600/5600 (600:147g). Asian Art — 3 hrs.

Introduction to the arts of India, Southeast Asia, China, and Japan. Prerequisite(s): for Art majors and minors: ARTHIST 1111 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisite(s) for non-Art majors and minors: junior standing. (Variable)

ARTHIST 4602/5602 (600:149g). Indian Art — 3 hrs.

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 4604/5604 (600:150g). Japanese Art — 3 hrs.

Examination of art and culture of Japan from Neolithic through Tokugawa periods. 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 4606/5606 (600:156g). Chinese Art — 3 hrs.

Examination of art and culture of China from Neolithic Period through Qing Dynasty. 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.

Emphasis on growth in perception of visual form. Range of materials and subject matter. (Fall and Spring)

ART 1022 (600:019). Drawing II — 3 hrs.

Continuation of 600:018 with greater emphasis upon self-direction. 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 2040 (600:074). Jewelry Design and Metalsmithing I — 3 hrs.

Introduction to basic metalsmithing techniques for fabricating jewelry and objects from non-ferrous metals. Emphasis on design process and idea development. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Variable)

ART 2050 (600:080). Painting I — 3 hrs.

Experience in various painting media. 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 — 3 hrs.

Introduction to use of photography as a means of creative expression. Basic film camera operations, black and white film processing, and printing. Assignments are directed toward acquisition of skills basic to an understanding of photographic language. 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)

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.

Prerequisite(s): ART 1022 (600:019) or ART 3011 (600:111). (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)

Course Descriptions

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 3040 (600:124). Jewelry Design and Metalsmithing II — 3 hrs.

Forming techniques with emphasis on exploration of the elastic properties of metal. History and issues of contemporary jewelry and metalsmithing investigated through class discussion and assignments to advance the development of individual ideas and directions. Prerequisite(s): ART 2040 (600:074). (Variable)

ART 3050 (600:162). Painting II — 3 hrs.

Continuation of 600:080 with greater emphasis upon self-direction. Prerequisite(s): ART 2050 (600:080). (Fall and Spring)

ART 3055 (600:180). Painting III — 3 hrs.

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.

Introduction to use of various format professional film cameras (provided by the department) and fiber based photographic paper in order to further develop and explore a personal direction. Prerequisite(s): ART 2070 (600:032) or equivalent. (Fall and Spring)

ART 3077 (600:131). Creative Photography III — 3 hrs.

Further exploration of professional fine art photography with an emphasis on photographic lighting. 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 3082 (600:136). Printmaking: Photo and Computer Processes — 3 hrs.

Experimentation with use of photo techniques and computer technology in various processes of printmaking. No photo experience necessary. Prerequisite(s): ART 3080 (600:134). (Variable)

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 — 2 hrs.

Introduction to the field of athletic training with emphasis on the history of the National Athletic Training Association, certification guidelines, policies and procedures, risk management, roles and responsibilities of athletic trainers, and common illnesses and injuries. (Spring)

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 — 2-3 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 five semesters and will include a clinical experience during each semester. (May be repeated for maximum of 13 hours for undergraduate students; 10 credits for masters' students.) Prerequisite(s): acceptance into the athletic training education program. (Fall and Spring)

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 education 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 — 2 hrs.

The theory, ethics, components, indications, and psychomotor skills of acute and emergency care in athletic training. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. (Fall)

AT 3040 (42T:137). Orthopedic Injury Assessment I — 3 hrs.

Entry-level recognition and evaluation of athletic injuries and conditions occurring to the lower extremities, torso, axial skeleton, and head. Prerequisite(s): AT 3060 (42T:110). (Fall)

Course Descriptions

AT 3050 (42T:134). Orthopedic Injury Assessment II — 3 hrs.

Entry-level recognition and evaluation of athletic injuries and conditions occurring to the lower extremities, upper extremities, axial skeleton, face, and head. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. (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. (Fall)

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 program. (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 2020; AT 3070 (42T:143). (Spring)

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 3080 (42T:157). (Variable)

AT 3120 (42T:170). Clinical Decision Making in Athletic Training and Orthopedic Pathology — 6 hrs.

Entry-level study of the pathology of 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. Students can repeat for 6 credits. Prerequisite(s): AT 3060 (42T:110). (Fall and 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); junior standing. (Fall)

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 3060 (42T:110). (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 6210 (42T:210). Pathoetiology and Orthopaedic Assessment I — 2 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): NATABOC certification; admission into the athletic training graduate program. (Even Falls)

AT 6220 (42T:220). Pathoetiology and Orthopaedic Assessment II — 2 hrs.

In-depth study of pathological, biomechanical, and neuromuscular mechanisms of musculoskeletal injuries with emphasis on advanced orthopaedic assessment techniques of the lower body. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Odd Springs)

AT 6240 (42T:230). Evidence Based Practice I — 2 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. (Odd Falls)

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 6260 (42T:250). Orthopaedic Surgical Interventions — 2 hrs.

Study of orthopaedic surgical interventions commonly performed for musculoskeletal injuries suffered by the physically active. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Even Falls)

AT 6270 (42T:260). Current Topics in Athletic Training — 2 hrs.

Discussion of current and future trends in the allied health profession of athletic training. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Variable)

AT 6280 (42T:270). Administration and Leadership in Athletic Training — 2 hrs.

Theoretical and applied techniques for organizing, administrating, and leading athletic training health care programs in various clinical settings. Prerequisite(s): NATABOC certification; 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 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 — 3 hrs.

Basic concepts and practical applications of microbiology in medicine, immunology, sanitation, and food preparation in daily life. 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, 2 periods; lab, 2 periods. (Fall)

BIOL 1060 (840:060). Careers in Biology: _____ — 2 hrs.

Assists in career planning. Self-assessment, career opportunities, information on requirements, resumes, and application procedures in biology and related fields. Offered on credit/no credit basis only. For Biology majors and minors counts only for university elective credit. (Variable)

BIOL 1089 (840:089). Seminar — 1 hr.

(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, Spring, Summer)

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). Prerequisites for Earth Science Major - Interpretive Naturalist Emphasis: BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044). (Fall, Spring, Summer)

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 3103 (840:103). Applied Ecology and Conservation — 4 hrs.

Impacts of human settlement in the Midwest on biodiversity, including overhunting, river channelization, wetland drainage, and agricultural intensification. Critical analysis of conservation initiatives. Field experience locating endangered habitat using topographic soils maps. Lecture/discussion, 3 periods; field and lab, 3 periods; arranged field trip. 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 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). (Variable)

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

Course Descriptions

(840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Variable)

BIOL 3110 (840:110). Obesity and Diabetes: Science, Sociology and Economics — 2 hrs.

Over the last 20 years Americans, as well as the rest of the world, have been gaining weight at an alarming rate. As a consequence, diseases such as diabetes, high blood pressure, stroke, heart attack, and kidney failure have become more prevalent. Discussion of the possible origins and examination of potential solutions for two pathologies - obesity and diabetes. Prerequisite(s): junior standing. (Same as CAP 3110 (CAP:110)) (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). (Spring)

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). Prerequisites for Bioinformatics majors and minors: 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.

A maximum of 3 graded hours of credit can be applied to a biology major as major elective credit. Up to 9 additional 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 3195 (840:195). Internship/Field Experience — 1-10 hrs.

Supervised work experience in approved work situation. Offered on credit/no credit basis only. Prerequisite(s): consent of department. (Fall, Spring, Summer)

BIOL 3196 (840:196). Natural History Interpretation Colloquium — 1 hr.

Upon completion of the rest of the requirements of the Natural History Interpretation minor, enrollees refine and present an exemplary component of the portfolio - an interpretive display or program. Completed portfolio also submitted for evaluation. Prerequisite(s): LYHS 2551 (430:050) or LYHS 4554/5554 (430:146g) or LYHS 4776/5776 (430:170g); BIOL 4180/5180 (840:180g) or ANTH 3440/5440 (990:125g); BIOL 4184/5184 (840:184g). Prerequisite(s) or corequisite(s): BIOL 3179 (840:179) or EARTHSCI 3430 (870:195). (Same as EARTHSCI 3196) (Variable)

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. (Fall and Spring)

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. (Variable)

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. (Variable)

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. (Variable)

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 4114/5114 (840:114g) or BIOL 4128/5128 (840:128g) or BIOL 4137/5137 (840:138g) or written consent of instructor; junior standing. (Variable)

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. (Variable)

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. Prerequisites for Bioinformatics majors and minors: BIOL 3140 (840:140); junior standing. (Variable)

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. (Variable)

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. (Variable)

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 4143/5143 (840:143g). Biogeography and Origins of Diversity — 3 hrs.

Readings and discussion interrelating how biodiversity and its geographical distribution have been shaped by earth history, ecology, and evolutionary processes. Discussion, 3 periods. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Variable)

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. (Variable)

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. (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. (Variable)

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. Prerequisites for Bioinformatics majors and minors: BIOL 3140 (840:140); junior standing. (Variable)

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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. (Fall)

BIOL 4155/5155 (840:155g). Ecotoxicology — 4 hrs.

Detailed overview of ecological and toxicological aspects of environmental pollution emphasizing responses of populations, communities, and ecosystems to contaminants. Traditional biomonitoring and toxicity testing methods, state-of-the-art concepts and methodologies. Lecture/discussion, 3 periods; lab, 3 periods. 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 numerical data from biological experiments. Emphasis on parametric statistics; use of SAS computer package for computations. Lecture, 2 hours; lab, 2 hours. Prerequisite(s): MATH 1140 (800:046) 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. (Fall)

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. (Variable)

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. (Fall)

BIOL 4178/5178 (840:178g). Fire Management in Ecosystems — 3 hrs.

Study of fire, its relationship to organisms and other components of ecosystems, and implications for management of ecosystems. Examination of prescribed burning as a management tool. Students will be trained in conducting prescribed burns and participate as burn crew members. Lecture/discussion, 2 periods; lab, 2 periods. 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. (Variable)

BIOL 4184/5184 (840:184g). Natural History Interpretation Techniques — 4 hrs.

Development of effective techniques for relating natural history concepts and events to diverse audiences, with an emphasis on Iowa natural history. Lecture/discussion, 3 periods; lab, 2 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 (820:196); 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)

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 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)

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)

Course Descriptions

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 3110 (CAP:110). Obesity and Diabetes: Science, Sociology and Economics — 2 hrs.

Over the last 20 years Americans, as well as the rest of the world, have been gaining weight at an alarming rate. As a consequence, diseases such as diabetes, high blood pressure, stroke, heart attack, and kidney failure have become more prevalent. Discussion of the possible origins and examination of potential solutions for two pathologies - obesity and diabetes. Prerequisite(s): junior standing. (Same as BIOL 3110 (840:110)) (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 3122 (CAP:122). Building Communities: Developing Intentional Family Spaces — 3 hrs.

Students critically explore the impact of changing space needs of families on decision-making from a variety of disciplines. Particularly, contextual scenarios using a multidisciplinary perspective offer insights into how a 'house/residence' becomes a 'home' for diverse families. 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)

CAP 3132 (CAP:132). Medicine, Morality, and Society — 3 hrs.

Interdisciplinary study of how health and illness are socially constructed realities. Elaborates on student's previous university experiences and develops her/his understanding of how the experience of health and illness are socially influenced. Prerequisite(s): junior standing. (Variable)

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 the different perspectives and developments of Jewish and non-Jewish voices in response to the Holocaust experience in literature and film within the context of the German-speaking cultures and beyond. 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 PHIL 3010 (650:151) (650:151)] (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 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 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, 2 periods. No credit for student with credit in any college chemistry course. (Fall)

Course Descriptions

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. (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)

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 4430/5430 (860:141g); junior standing. (Fall)

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. (Odd Springs)

CHEM 4200/5200 (860:144g). Introduction to Nanoscience and Nanotechnology — 3 hrs.

Introduction to nanoscale materials and processes; types of materials; chemical bonding and nanoscale interactions; 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)) (Fall)

CHEM 4210/5210 (860:148g). Intermediate Nanoscience and Nanotechnology — 3 hrs.

Study of nanoscale materials and processes, with emphasis on nanoscale microscopy and other experimental methods of investigation and control on the nanoscale. Prerequisite(s): CHEM 4200/5200 (860:144g)/PHYSICS 4200/5200 (880:144g); junior standing. (Same as PHYSICS 4210/5210 (880:148g)) (Odd Springs)

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; 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). (Odd Falls)

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. (Even Falls)

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, 2 periods; lab, 6 periods. Prerequisite(s): CHEM 2210 (860:120); CHEM 2310 (860:132); CHEM 4420/5420 (860:140g);

junior standing. Prerequisite(s) or corequisite(s): CHEM 4430/5430 (860:141g). (Spring)

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. (Even Springs)

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. 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. (Odd Falls)

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): C- in CHEM 2220 (860:123); junior standing. (Fall, Spring, Summer)

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. (Odd Falls)

CHEM 4610/5610 (860:149g). Advanced Synthesis Laboratory — 2 hrs.

Advanced techniques in synthesis, purification, and characterization of organic and inorganic compounds. Discussion, 2 periods; lab, 4 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. (Spring)

CHEM 6289 (860:289). Seminar — 1 hr.

Current topics in chemistry. May be repeated.

CHEM 6299 (860:299). Research.

Prerequisite(s): consent of department. (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)

Course Descriptions

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). (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, 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. (Variable)

CSD 3190 (51C:170). Introduction to American Sign Language (ASL) — 3 hrs.

Introduction to principles and use of American Sign Language. Prerequisite(s): junior standing. (Variable)

CSD 3195 (51C:173). Advanced American Sign Language (ASL) — 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); junior standing. (Variable)

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 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; 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.

Basic hearing science, types of hearing loss, and audiometric measurement. 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. (Variable)

CSD 3700/5700 (51C:168g). Communication Disorders and Differences Across the Lifespan — 3 hrs.

Study of communication patterns, assessment accommodations, intervention, and transition practices for selected low- incidence 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. 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 communication for the severely communicatively disabled. Prerequisite(s): junior standing. Department consent required to take at 5000-level. (Fall)

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 3250/5250 (51C:162g); CSD 3900/5900 (51C:180g); 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. (Variable)

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, Spring, Summer)

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.

Review of current literature materials for language-disordered children. Requires active participation for demonstrations and presentations of articles and materials. 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 children and adults. 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 in adults. Prerequisite(s): admitted to graduate program in Speech-Language Pathology or department consent. (Spring)

Course Descriptions

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. 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 1156. Leadership: Skills and Styles — 3 hrs.

Basic principles and skills of personal leadership. Focus on clarifying values, motivating individuals, and organizing groups. Practical applications and use of case studies. (Same as HUM 1010 (680:010)) (Variable)

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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (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 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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (Fall and Spring)

COMM 2256 (48C:011). Oral Interpretation: Texts in Performance — 3 hrs.

Introduction to the performance, analysis, and criticism of literary and aesthetic texts. (Fall and 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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (Fall, Spring, Summer)

COMM 2455 (48C:015). Group Performance: Scripting and Directing — 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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (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) or two-

course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (Fall and Spring)

COMM 3156. 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): junior standing. (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 1010 (680:010); HUM 3110/5110 (680:110g); 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). Oral History Communication — 3 hrs.

Methods of researching, interviewing, analyzing, and presenting oral history materials. Applications for communication research and performance, including projects in museums, public relations campaigns, organizational settings, and community media. Prerequisite(s): junior standing. (Even Springs)

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 and Spring)

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. (Fall and Spring)

COMM 4023/5023 (48C:189g). Rhetorical Communication Research Methods — 3 hrs.

Examination of principles and procedures of rhetorical criticism. Students complete research projects. Prerequisite(s): COMM COR 2020 (48C:080) or equivalent; junior standing. (Odd Springs)

COMM 4111/5111 (48C:131g). Group Communication Theory and Analysis — 3 hrs.

In-depth study of theories and research in group communications. Prerequisite(s): COMM 1000 (48C:001) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)); junior standing. (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 4156/5156. Leadership: Concepts and Practice — 3 hrs.

Analysis of relationship between leadership theory and practice. Focus on development of critical and evaluative skills. Historical and contemporary perspectives on leaders and issues. Prerequisite(s): HUM 1010 (680:010); junior standing. (Same as HUM 3110/5110 (680:110g)) (Fall and 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): junior standing. (Spring)

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)

Course Descriptions

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 and Spring)

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 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)

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. (Fall and 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 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; intended to be taken in final semester. (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): COMM 1000 (48C:001) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)); junior standing. (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)

Courses

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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)). (Fall and 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 6043 (48C:244). Interpersonal Communication — 3 hrs.

Synthesis of psychological, sociological, philosophical analysis of person-to-person communication. (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)

Course Descriptions

COMMGRAD 6900 (48C:292). Graduate Internship — 2-3 hrs.
Experiential learning appropriate for the student's model program of study in the master of arts in communication curriculum.
Prerequisite(s): fully admitted into the graduate program; completion of 12 hours of graduate course work in the department; permission of faculty advisor who will determine any other prerequisite courses. (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: Electronic Media Courses (COMM EM)

Courses

COMM EM 1600. First Year Electronic Media Seminar — 1 hr.
An introduction to the Electronic Media curriculum, extra curricula, learning resources, and academic and professional expectations; exploration and identification of career goals. 1-hr. session per week. Required for graduation. (Fall and Spring)

COMM EM 1611 (48E:021). Media Literacy — 3 hrs.
Development of ability to analyze electronic media in multiple platforms, examining uses, selections, and impact in order to foster a more dynamic relationship between citizens and media.
Prerequisite(s): COMM COR 1010 (48J:002). (Fall and Spring)

COMM EM 1655 (48E:003). Introduction to Electronic Production — 3 hrs.
Introduction to audio, video, and multimedia production concepts and technologies. Emphasis on basic production techniques, production terminology, and communication with media users (Fall and Spring)

COMM EM 1659 (48E:071). Beginning Writing for Electronic Media — 3 hrs.
Techniques and script styles used for multiple platforms of electronic media programming and presentation. Prerequisite(s): COMM COR 1010 (48J:002). (Fall and Spring)

COMM EM 2650. Intermediate Electronic Production — 3 hrs.
Creative integration of audio, video, and multimedia concepts and technologies to enhance the media production process based on the concepts covered in "Introduction to Electronic Production." Emphasis on aesthetics, creativity, formats, and quality to provide upper-level skills in media pre-production, production, and post-production.
Prerequisite(s): COMM EM 1655 (48E:003). (Fall and Spring)

COMM EM 2655 (48E:013). Video Production: (Topic) — 1-6 hrs.
Advanced theory and practice of video production technologies for multiple platforms. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM EM 1659 (48E:071); COMM EM 2650. (Fall and Spring)

COMM EM 2656 (48E:011). Audio Production: (Topic) — 1-6 hrs.
Advanced theory and practice of audio technologies for multiple platforms. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM EM 1659 (48E:071); COMM EM 2650. (Fall and Spring)

COMM EM 2940 (48E:091). Applied Electronic Media — 1 hr.
Credit available for qualified students who work for KULT Radio, Cedar River Productions, UNI Cable, and/or on other authorized radio/

TV/film/multimedia projects. May be repeated for maximum of 4 hours of applied electronic media credit. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

COMM EM 3179 (48E:179). Cooperative Education — 1-6 hrs.
(Variable)

COMM EM 3651 (48E:136). Electronic Media Sales and Promotion — 3 hrs.
Sales, promotion, and fund raising techniques for multiple platforms of electronic media, including theories, operations, and practices.
Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Variable)

COMM EM 3655 (48E:113). Video Practicum: (Topic) — 1-6 hrs.
Advanced video production for multiple platforms of electronic media, with students filling the roles of all production staff. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM EM 2655 (48E:013). (Variable)

COMM EM 3656. Audio Practicum — 3 hrs.
Advanced theory and practice of audio production for multiple platforms of electronic media. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM EM 2656 (48E:011); or consent of instructor. (Variable)

COMM EM 3657 (48E:112). Multimedia Production: (Topic) — 1-6 hrs.
Examination of principles of design and creation of interactive multimedia applications. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM EM 2650; junior standing or consent of instructor. (Fall and Spring)

COMM EM 3658 (48E:117). Electronic Media Projects — 1-6 hrs.
A major project for audio, video, or multimedia beyond the scope of existing courses. Students work under the supervision of faculty. May be repeated for maximum of 6 hours. Prerequisite(s): COMM EM 2656 (48E:011), COMM EM 2655 (48E:013), or COMM EM 3657 (48E:112); junior standing; consent of instructor. (Variable)

COMM EM 3659. Media Industry Trends and Issues — 3 hrs.
Examines how economic variables, new technologies, regulatory policies, culture and changing media practices impact media industry operations. Prerequisite(s): consent of instructor; junior standing. (Variable)

COMM EM 3660. Strategic Media Planning — 3 hrs.
Applies analytical tools to examine how specific strategies can be developed to address issues and challenges faced by media practitioners and organizations. Prerequisite(s): COMM EM 3659; junior standing. (Variable)

COMM EM 3900/5900 (48E:197g). Internship in Electronic Media — 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 EM 3940 (48E:191). Advanced Applied Electronic Media — 1 hr.
Credit available for qualified students who do advanced work for KULT Radio, Cedar River Productions, UNI Cable and/or on other authorized radio/TV/film/multimedia projects. May be

repeated for maximum of 4 hours of applied electronic media credit. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

COMM EM 4600/5600 (48E:166g). Selected Topics in Electronic Media — 3 hrs.

Extensive work in specialized electronic media concepts, processes and approaches. May be repeated once on a different topic.

Prerequisite(s): junior standing. (Variable)

COMM EM 4611/5611 (48E:139g). Electronic Media Industries: (Topic) — 3 hrs.

Focus on structures and operations in various types of electronic media industries. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Variable)

COMM EM 4616/5616 (48E:141g). Electronic Media: Processes and Effects — 3 hrs.

Examination of processes, functions, and effects of electronic media. Special attention to impact of electronic media on the nature of political process, violence and aggressive behavior, and individual attitudes and behavior. Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Spring)

COMM EM 4633/5633 (48E:123g). Electronic Media Criticism: (Topic) — 1-6 hrs.

Advanced examination of electronic media products, focusing on history, theory, and aesthetic forms. Topics indicated in Schedule of Classes. May be repeated for maximum of 6 hours if different topic. Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Variable)

COMM EM 4636/5636 (48E:132g). Electronic Media: Law and Policy — 3 hrs.

Examination of the rules, regulations, and policy that guide electronic media operations in the U.S. Attention is given to a wide range of topics including regulations, political broadcast rules, media ownership rules, copyright law, obscene and indecent content, and privacy. Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Spring)

COMM EM 4638. Electronic Media Programming and Distribution — 3 hrs.

Informational programming responsibilities for multiple platforms of electronic media, including development of a philosophy concerning effective programming and distribution strategies. Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Variable)

COMM EM 4644 (48E:195). Senior Seminar in Electronic Media — 3 hrs.

Exploration of decision-making models that can be applied to ethical dilemmas in the electronic media field; and instruction on how to package themselves professionally (cover letter, resume, portfolio). Prerequisite(s): senior standing. (Fall and Spring)

COMM EM 4646/5646 (48E:121g). Electronic Media and Culture — 3 hrs.

Examination of electronic media and its relationship to culture. Use of multiple theoretical approaches to define culture and analyze media products as cultural forms. Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Fall)

COMM EM 4647/5647 (48E:161g). Communication Technologies — 3 hrs.

Examination of past, current, and emerging technologies used for multiple platforms of electronic communication, and the impact on

their users, including theories and practices. Prerequisite(s): COMM COR 1010 (48J:002); junior standing. (Fall and Spring)

COMM EM 4655/5655 (48E:131g). Electronic Media: Audience Analysis — 3 hrs.

Examination of characteristics and behaviors of electronic media audiences. Special attention to audience research methodologies and impact of new communication technologies on audience behavior.

Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Fall)

COMM EM 4656/5656 (48E:134g). Electronic Media Management — 3 hrs.

Examination of management levels, functions, and roles in electronic media organizations. Attention is given to management models, financial management, programming, sales, promotions, personnel, and market entry. Prerequisite(s): COMM EM 1611 (48E:021); junior standing. (Fall)

Communication Studies: Journalism Courses (COMM J)

Courses

COMM J 1755 (48J:007). Reporting Methodologies and Sources — 3 hrs.

Emphasis on information gathering techniques for the mass media, including examination of search strategies, sources, and news values. (Fall and Spring)

COMM J 2755 (48J:071). News Writing for Media — 3 hrs.

Principles and practice of writing, editing, and compiling news for the print media. Prerequisite(s): COMM COR 1010 (48J:002); COMM J 1755 (48J:007). (Fall and Spring)

COMM J 3179 (48J:179). Cooperative Education — 1-6 hrs.
(Variable)

COMM J 3755 (48J:174). Digital Journalism — 3 hrs.

Writing and developing online journalism, including web pages with audio slide shows, interactive timelines, motion graphics, video, and podcasts. Prerequisite(s): COMM J 2755 (48J:071) or consent of instructor. (Fall and Spring)

COMM J 3756 (48J:172). Editing and Design — 3 hrs.

Copyreading, proofreading, writing headlines; studying make-up, typography, and photography. Prerequisite(s): COMM J 2755 (48J:071) or consent of instructor. (Fall and Spring)

COMM J 3900 (48J:197). Internship in Journalism — 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 J 4711/5711 (48J:121g). History of Mass Communication — 3 hrs.

Development of the structure, economics, and content of 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 electronic media. Prerequisite(s): COMM COR 1010 (48J:002); junior standing. (Spring)

Course Descriptions

COMM J 4715 (48J:178g). 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 J 2755 (48J:071) or consent of instructor; junior standing. (Variable)

COMM J 4735/5735 (48J:171g). Advanced Reporting — 3 hrs.

Gathering information and writing and editing of complex news stories; emphasis on advanced techniques of interviewing, journal research, and personal observation. Prerequisite(s): COMM J 2755 (48J:071); junior standing. (Fall and Spring)

COMM J 4743/5743 (48J:132g). Mass Communication Law and Ethics — 3 hrs.

Origins and backgrounds of mass communication law and ethics, including that in journalism and public relations. Contemporary problems and issues in mass communication-related law and ethics. Libel, fair trial, law, and self-regulation in journalism, public relations, and advertising. Prerequisite(s): junior standing. (Fall and Spring)

COMM J 4754/5754 (48J:151g). 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 J 4765/5765 (48J:176g). Feature Writing — 3 hrs.

Writing and marketing different types of articles for various publications. Prerequisite(s): COMM J 2755 (48J:071) or ENGLISH 2015 (620:015) or consent of instructor; junior standing. (Spring)

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) or two-course equivalent (COMM 2256 (48C:011), COMM 2255 (48C:071), or COMM 2257 (48C:074); and COMM 2344 (48C:004) or COMM 1205 (48C:031)); ENGLISH 1005 (620:005). (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 J 1755 (48J:007). (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)

Computer Science Courses (CS)

Courses

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 1050 (810:020). Computing for All — 3 hrs.

Develops an understanding of computing that allows more fluent use of computers. Topics include computer capabilities and operation, the Internet, privacy, information security, intelligent applications, and end-user programming. No credit available to Computer Science majors. (Fall, Spring, Summer)

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 — 2 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): Level One Field Experience. (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 consent of instructor. Prerequisite(s) or corequisite(s): CS 1800 (810:080). (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 2134 (810:134). COBOL — 3 hrs.

Examination of the COBOL language; emphasis on data processing techniques and structured programming methods. Sequential and indexed files, file maintenance, sorting, report design, and multi-file processing. Concepts illustrated by business-like examples. Prerequisite(s): one of the following - MGMT 2032 (150:032), CS 1130 (810:030), CS 1160 (810:036), or CS 1510 (810:051). (Spring)

CS 2420 (810:142). Computer Architecture — 3 hrs.

Basic concepts of computer architecture with special focus on principles underlying contemporary uniprocessor design. Interaction of hardware and software, and consideration of efficient use of hardware to achieve high performance. Topics include instruction set design, processor design, pipelining, the memory hierarchy, design trade-offs, I/O systems, performance measurement, and multiprocessors. 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). (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)

Course Descriptions

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; consent of instructor. (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)

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. (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). (Variable)

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); CS 2720 (810:172); 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 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 — 4 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). (Variable)

CS 4800 (810:180). Undergraduate Research in Computer Science — 1-3 hrs.
(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)

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

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(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 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. Special topics as indicated in the Schedule of Classes. (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 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): SOC 1000 (980:001). (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): 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). (Variable)

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). (Fall and 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. (Spring)

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 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 3110/5110 (982:110g). State Crime — 3 hrs.

Survey of crimes of the state from a sociological and criminological perspective. Examination of historical and current cases at home and abroad. State crime theoretical perspectives used to understand the epistemological and etiological catalysts of state crime. Prerequisite(s): junior standing. (Variable)

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. (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)

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. (Fall and 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 4262/5262 (982:162g). 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. (Same as ANTH 3441/5441 (990:162g)) (Variable)

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); SOC 2010 (980:108); junior standing. (Fall)

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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. (Spring)

CRIM 4381/5381 (982:181g). Topics in Criminology — 3 hrs.

Selected topics; opportunity to focus previous course work and knowledge on a special issue in 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. (Fall and Spring)

CRIM 4485 (982:185). Criminology Internship — 3 hrs.

Experiential learning through internship placement in a criminological or criminal justice related agency or position. 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 6020. Program Evaluation — 3 hrs.

Qualitative and quantitative research designs and presentation of results, role of theory, managing stakeholders and budgets, ethical issues in evaluation research. Students will design an evaluation project and write a research report. Prerequisite(s): graduate standing or consent of instructor. (Fall)

CRIM 6251 (982:250). Crime and Society — 3 hrs.

Examination of the influence of social factors ranging from macro-level institutions to micro-level interactions, on criminal behavior and societal reactions to crime. Prerequisite(s): graduate standing or consent of instructor. (Variable)

CRIM 6260 (982:280). Seminar in Criminology — 3 hrs.

Allows for a greater depth of research and discussion into various specialty areas within the field of criminology. May be repeated for a maximum of 6 hours. Prerequisite(s): graduating standing or consent of instructor. (Variable)

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 6295. Field Placement — 3 hrs.

Field experience for students enrolled in the Criminology MA program. Students will complete a project connected to their field setting work. May be taken for a maximum of 6 credits. Prerequisite(s): completion of 16 CRIM MA program credit hours or consent of instructor. (Fall and Spring)

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 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 inservice 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. (Odd Springs)

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. (Even Springs)

EARTHSCI 3196. Natural History Interpretation Colloquium — 1 hr.

Upon completion of the rest of the requirements of the Natural History Interpretation minor, enrollees refine and present an exemplary component of the portfolio - an interpretive display or program. Completed portfolio also submitted for evaluation. Prerequisite(s): LYHS 2551 (430:050) or LYHS 4554/5554 (430:146g) or LYHS 4776/5776 (430:170g); BIOL 4180/5180 (840:180g) or ANTH 3440/5440 (990:125g); BIOL 4184/5184 (840:184g). Prerequisite(s) or corequisite(s): BIOL 3179 (840:179) or EARTHSCI 3430 (870:195). (Same as BIOL 3196 (840:196)) (Variable)

EARTHSCI 3200/5200 (870:111g). Fundamentals of Weather — 3 hrs.

Basic principles of meteorology intended primarily for inservice teachers. Prerequisite(s): junior standing; consent of department head. (Fall and Spring)

EARTHSCI 3210/5210 (870:121g). Meteorology — 4 hrs.

Topics of weather observation and prediction; physical basis of cloud formation; radiational heating and cooling; the Earth's energy budget; wind circulation; precipitation processes; storm systems; and maps and charts. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): EARTHSCI 1200 (870:021); junior standing. (Odd Springs)

EARTHSCI 3220/5220 (870:122g). Weather Analysis and Forecasting — 3 hrs.

Focus on middle latitude weather systems, principally those of the cold season. Topics include discussion of historical conceptions and models of extratropical cyclones, present understanding of these weather systems, and techniques of analysis and prediction. Important component is hands-on forecasting. Discussion/lab, 4 periods. Prerequisite(s): EARTHSCI 3210/5210 (870:121g); junior standing. (Odd Springs)

EARTHSCI 3230/5230 (870:123g). Air Quality — 4 hrs.

Topics from atmospheric dynamics, atmospheric chemistry, physical meteorology, and micrometeorology; atmospheric transport processes in time and space; local and regional concentrations of pollutants;

implications of air pollution control strategies; numerical modeling techniques with application to air quality issues; field studies and remote sensing of atmospheric transport. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): EARTHSCI 1200 (870:021); junior standing. (Fall)

EARTHSCI 3240/5240 (870:124g). Air Dispersion Modeling — 2 hrs.

Gaussian plume models; modeling point, area, volume and line sources of air pollution; dispersion models for air pollution regulation in the U. S. Discussion, 1 period; lab, 2 periods. Prerequisite(s): EARTHSCI 1200 (870:021); EARTHSCI 3230/5230 (870:123g); junior standing. (Even Springs)

EARTHSCI 3250/5250 (870:177g). Measurement and Analysis of Air Quality — 2 hrs.

Collection and analysis of gases and particulates; olfactometry; remote sensing with lidar and sodar; determining compliance with air quality regulations; indoor air quality. Discussion, 1 period; lab, 2 periods. Prerequisite(s): EARTHSCI 1200 (870:021); EARTHSCI 3230/5230 (870:123g); junior standing. (Even Springs)

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 3305/5305 (870:115g). Volcanology — 3 hrs.

Origin, classification, eruptive mechanisms, and hazards of volcanoes, and related phenomena. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): EARTHSCI 1300 (870:031) or equivalent; junior standing. (Odd Springs)

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. (Spring)

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 3318 (870:130). Crystallography — 2 hrs.

Morphologic, structural, and x-ray crystallography. Laboratory exercises emphasize identification of unknown compounds, determination of space lattices, space groups, and cell parameters by x-ray diffraction. Discussion, 2 periods; lab, 6 periods (half-semester course). (Fall)

EARTHSCI 3319 (870:131). Systematic Mineralogy — 2 hrs.

Crystal chemistry, determinative methods, and systematic description of naturally-occurring compounds with emphasis on rock-forming minerals. Laboratory exercises emphasize determinative techniques. Discussion, 2 periods; lab, 6 periods (half-semester course). Prerequisite(s): EARTHSCI 1300 (870:031). Corequisite(s): EARTHSCI 3318 (870:130) or consent of instructor. (Fall)

EARTHSCI 3320 (870:135). Optical Mineralogy-Petrography — 4 hrs.

Optical properties of minerals and use of the petrographic microscope with emphasis on identification of minerals in thin section. Introduction to the description and classification of igneous,

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metamorphic, and sedimentary rocks. Discussion, 2 periods; lab, 6 periods. Prerequisite(s): EARTHSCI 3319 (870:131). (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 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. (Spring)

EARTHSCI 3330/5330 (870:141g). Geomorphology — 3 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, 2 periods; labs and field trips, 2 periods. Prerequisite(s): EARTHSCI 1300 (870:031) or GEOG 1210 (970:026); junior standing. (Fall)

EARTHSCI 3335/5335 (870:142g). Igneous Petrology — 4 hrs.

Description, classification, and genesis of igneous rocks. Discussion, 2 periods; lab, 6 periods. Field trip. Prerequisite(s): EARTHSCI 3320 (870:135); junior standing. (Even Falls)

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. (Even Springs)

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). (Spring)

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)

EARTHSCI 6400 (870:292). Research Methods in Earth Science — 3 hrs.

Methods and evaluation of research in the earth sciences. Individual exploration of possible research or thesis project. Discussion, 3 periods. (Variable)

Economics Courses (ECON) Courses

ECON 1011 (920:070). Business Statistics — 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). Introduction to Decision Techniques — 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. (Spring)

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. 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. (Fall)

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)

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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. (Spring)

ECON 3425/5425 (920:160g). Managerial Economics — 3 hrs.

Application of economic theory and methods to business and administrative decision making. Prerequisite(s): ECON 1041 (920:053); ECON 1051 (920:054); ECON 2112 (920:104) or consent of instructor; junior standing. (Variable)

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 2122 (920:103); ECON 2112 (920:104); 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). Context of Contemporary Education — 3 hrs.

Examination of issues and problems of concern to educational practitioners from the perspective of educational philosophy, history, and sociology. 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 7305 (190:305). Qualitative Methods in Educational Research — 3 hrs.

Study of the techniques of direct observation and analysis of human behavior in ongoing, naturalistic settings. Focus on problems associated with the two main approaches used in qualitative research -- participant observation and in-depth interviewing. Prerequisite(s): INTDEPED 7303 (190:303). (Variable)

INTDEPED 7307 (190:307). Quantitative Methods in Educational Research — 3 hrs.

Quantitative research approaches applicable to problem-solving in educational practice. Major methods including experiment, quasi-experiment, and survey; major forms of instrumentation; frequently used quantitative analyses, both descriptive and inferential; report and proposal writing. Prerequisite(s): INTDEPED 7303 (190:303); MEASRES 6205 (250:205); an upper-division course in statistical methods; doctoral status or consent of college. (Variable)

INTDEPED 7314. Inquiry I — 3 hrs.

Covers initial elements of identifying, understanding, and solving complex problems of practice. Focus on developing conceptual understandings of the problem, ethics in inquiry and practice, and logic and design of an inquiry plan. Student proposes a research study. Prerequisite(s): MEASRES 6205 (250:205) or HPELS 6290 (440:290) or equivalent, and a substantial introductory statistics course

(MEASRES 4180/5180 or HPELS 6210 (440:210) or equivalent).
(Variable)

INTDEPED 7316. Inquiry II — 3 hrs.

Focus on the collection, analysis, and synthesis of data to solve complex problems of practice. Includes reporting results and use of data in practice, and broader dissemination of findings via conference presentations or journal publications. Student finishers and reports on full empirical study. Prerequisite(s): INTDEPED 7305 (190:305).
(Variable)

INTDEPED 7318. Evidence-Based Practices, Assessment, Accountability, and Program Evaluation — 3 hrs.

In today's world of professional practice simply running a program is not good enough. Modern practice must use assessment and evaluation results. This course provides needed tools. Provides multiple theoretical perspectives as well as hands-on practice. Prerequisite(s): admission to Ed.D. program; INTDEPED 7303 (190:303); INTDEPED 7314; INTDEPED 7316. (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); INTDEPED 7314; INTDEPED 7316. (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); INTDEPED 7314; INTDEPED 7316. (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.
(Variable)

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. Credit/No Credit only. Prerequisite(s): 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 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)

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 principals. Prerequisite(s): EDLEAD 6206 (270:206), EDLEAD 6247 (270:247), or consent of instructor. (Spring and Summer)

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 PK-12 school principals to advance the Iowa Professional Development Model, support Professional Learning Communities, effectively use technology, develop teacher leadership, and embrace the role of

Course Descriptions

instructional leader. Prerequisite(s): EDLEAD 6247 (270:247) or consent of instructor. (Variable)

EDLEAD 6249 (270:249). Leading Learning, Teaching, and Curriculum — 3 hrs.

Extensive study in the knowledge and skills needed by PK-12 principals to lead the development and delivery of curriculum, assessment and instruction focused on student achievement. Prerequisite(s): EDLEAD 6206 (270:206); EDLEAD 6247 (270:247); or consent of instructor. (Variable)

EDLEAD 6282 (270:282). Leading School Growth and Improvement — 2 hrs.

Study of the principal's role in leading school growth and improvement and the change process. Corequisite(s): MEASRES 6205 (250:205). (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): EDLEAD 6206 (270:206); EDLEAD 6245 (270:245); or consent of instructor. (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 6290 (270:290). Practicum in Principalship — 2-4 hrs. Offered on credit/no credit basis only. Prerequisite(s): practicum integrated throughout program. (Fall, Spring, Summer)

EDLEAD 6291 (270:291). Internship — 1-5 hrs. Advanced supervised experience to further develop skills. May be repeated. Offered on credit/no credit basis only. Prerequisite(s): EDLEAD 6206 (270:206); EDLEAD 6245 (270:245); consent of instructor. (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 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 superintendent 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): students must be enrolled in the superintendent preparation program cohort or doctoral program in educational leadership or have permission of the instructor. (Variable)

EDLEAD 7325 (270:325). Organization, Governance, and Administration of Public Education — 3 hrs. Analysis of theories of organization and management models; examination of governance, function, and administration of local, intermediate, state, and federal education agencies. Prerequisite(s): one course in management or administration in education or consent of department. (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 7354 (270:354). Collective Bargaining in the Public Sector — 1-3 hrs. Basic principles of collective bargaining as they apply to educational administration. (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 3148 (200:148). Learning and Instruction in Classroom Contexts — 3 hrs.

Examination of the influence of cognitive, motivational, and sociocultural factors on students' learning in classroom contexts, with an emphasis on implications for classroom instruction and improved student achievement. Application of course concepts to the corequisite field experience. 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. Corequisite(s): TEACHING 3128. Prerequisite(s) or corequisite(s): MEASRES 3150 (250:150). (Fall, Spring, Summer)

EDPSYCH 4109/5109 (200:109g). 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; junior standing. (Fall and Spring)

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)

EDPSYCH 4173/5173 (200:173g). Behavior Disorders in Children — 3 hrs.

Problems of children who deviate from the norm in behavior and adjustment, including deviations which are organic as well as those which are functional in nature. Observations of clinical procedures. Prerequisite(s): junior standing. (Variable)

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,

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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 4109/5109 (200:109g) 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 4150/5150 (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 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 4150/5150 (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 4150/5150 (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 — 3 hrs.

Methods of implementing appropriate curriculum for and guidance of very young children, including children with diverse needs in inclusive group settings. Prerequisite(s): ELEMECML 4151/5151 (210:151g); EDPSYCH 4109/5109 (200:109g); junior standing. Must

have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. Requires full admission to Teacher Education. Corequisite(s): ELEMECML 4122/5122; SPED 4144/5144. (Fall and Spring)

ELEMECML 4122/5122. Exploring Diversity Among Infants and Toddlers — 1 hr.

Direct and indirect experiences with both typically and atypically developing infants and toddlers in group care, home, and other settings. Requirements include, but are not limited to a minimum of 20 hours of direct experience in child care settings serving infants and toddlers, a minimum of 10 hours of direct experience with atypically developing infants and toddlers and their families and service providers, and a minimum of 5 hours of indirect experiences in settings providing services to atypically developing infants and toddlers. Prerequisite(s): Level II of the Professional Education Requirements; ELEMECML 4151/5151 (210:151g). Corequisite(s): ELEMECML 4121/5121 (210:121g); SPED 4144/5144. 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 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. Corequisite(s): ELEMECML 4192/5192 (210:192g). 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 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 Science and Mathematics — 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 Science Teaching — 3 hrs.

Resources, content background and materials in elementary science 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 4149/5149 (210:149g). 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): junior standing. Registration requires full admission to the Teacher Education Program. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall and Spring)

ELEMECML 4150/5150 (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; 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. (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. Prerequisite(s): EDPSYCH 4109/5109 (200:109g); completion of Level I of the Professional Education Requirements - Early Childhood Education; 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. (Fall and Spring)

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 4155/5155 (210:155g). Constructivist Early Education — 3 hrs.

Overview of theory and practice in constructivist early childhood education. Survey of sociomoral atmosphere (including group time, rule making, voting, social and moral discussion, academics,

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etc.), physical knowledge activities, group games, and classroom management. Prerequisite(s): 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): Full admission to Teacher-Education; Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course; junior standing. (Fall and Spring)

ELEMECML 4161/5161. Field Experience in Early Childhood Curriculum — 1 hr.

Direct and indirect experiences with both typically and atypically developing preprimary and primary age children in group care. Requirements include, but are not limited to a minimum of 20 hours of direct experience in preprimary or, primary, settings, and a minimum of 10 hours of direct experience with atypically developing children and their families and service providers. Prerequisite(s): junior standing. Corequisite(s): ELEMECML 4151/5151 (210:151g). 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 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): successful completion of TEACHING 2017 and TEACHING 3128; junior standing. Corequisite(s): ELEMECML 4130/5130 (210:130g). 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 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 6204 (210:204). Curriculum Construction — 3 hrs.

Role of the classroom teacher in curriculum development projects, focusing on educational change process, procedures, and product

evaluation. Prerequisite(s): ELEMECML 6201 (210:201) or consent of the head of the Department of Curriculum and Instruction. (Variable)

ELEMECML 6205. Technology in Early Childhood Education — 3 hrs.

Current theory and practical strategies for planning and implementing appropriate experiences for young children and families. Students will enhance current understandings regarding race, ethnicity, culture, socio-economic status, and inclusion of children with special needs. 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 6220 (210:220). Administration and Supervision of Programs for Young Children — 3 hrs.

Preparation to plan, organize, and operate public and private programs for young children, including working with families and with other social agencies, obtaining and administering funds, staffing, providing for health and safety, and curriculum decisions. (Variable)

ELEMECML 6221 (210:221). Analysis and Design of Curriculum for Young Children — 3 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 6225 (210:225). Advanced Constructivist Education — 3 hrs.

Study of theory, research, and curriculum in constructivist education. Selected theoretical topics. Prerequisite(s): ELEMECML 4155/5155 (210:155g); ELEMECML 6221 (210:221). (Variable)

ELEMECML 6228 (210:228). Comparative Early Childhood Curricula — 2 hrs.

Comparative study of curricula and programs of early education including the Montessori Method, Bank Street theory and practice, and various programs based on Piagetian theory. Prerequisite(s): ELEMECML 4155/5155 (210:155g); ELEMECML 6221 (210:221). (Variable)

ELEMECML 6230 (210:230). Advanced Techniques in Instructional Management — 3 hrs.

Data-driven applications of skills, methods and strategies for improved personal and systemic professional practices in elementary and middle level classrooms. Preventive, supportive, corrective, adaptive management techniques for meeting the needs of diverse learners. Prerequisite(s): ELEMECML 6201 (210:201) or consent of the head of the Department of Curriculum and Instruction. (Variable)

ELEMECML 6236. Assessment in Early Childhood — 3 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 4150/5150 (210:152g) or consent of department.

(Variable)

ELEMECML 6270 (210:270). Recent Developments in Middle Level Curriculum — 3 hrs.

Recent developments regarding curricular decision making, organizational structures, and instructional strategies appropriate for middle and junior high schools based on the developmental characteristics of young adolescents. (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)

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ENGLISH 2340 (620:043). Survey of English Literature II: Romantics to Post-Colonialism — 3 hrs.

Broad historical, cultural, theoretical, and formal consideration of artful expressions by English speaking peoples from the British Romantic Movement to contemporary world writing. 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 careers in professional writing; includes history of the profession, career options, professional responsibilities, key theoretical perspectives, lab experiences with industry-standard communication technologies. Prerequisite(s) or corequisite(s): LAC Category 1A or its equivalent. (Fall and Spring)

ENGLISH 3144. Genocide in Writing and Film — 3 hrs.

Exploration of the complex interaction among occurrences of genocide, memory of them (individual, collective, and cultural), and print and cinematic representations of these historical events. Emphasis on how writing and film have shaped audience awareness and understanding of different genocides as well as individual, collective, and cultural responses to them. Prerequisite(s): junior standing. (Same as CAP 3144) (Variable)

ENGLISH 3148. The Holocaust in Literature and Film — 3 hrs.

Examination of the different perspectives and developments of Jewish and non-Jewish voices in response to the Holocaust experience in literature and film within the context of the German-speaking cultures and beyond. 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 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 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 Brontës, George Eliot, and Hardy. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; junior standing. (Variable)

ENGLISH 4345/5345 (620:120g). 20th-Century British Novel — 3 hrs.

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). 20th-Century American Novel — 3 hrs.

Examination of significant novels and literary approaches in the United States during the 1900s. Includes focus on the development of 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)

Course Descriptions

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 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). Professional 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 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 4985/5985 (620:191g). Seminar for the Student Teacher — 1 hr.

Intensive course to integrate ENGLISH 4980/5980 (620:190g) with the student teaching experience. Offered on credit/no credit basis only. Prerequisite(s): junior standing. Corequisite(s): TEACHING 3138 (280:138). (Variable)

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 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 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)

Course Descriptions

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)

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 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.

English political, economic, social, and intellectual history with emphasis on the Victorians and 20th century; British Empire and Commonwealth. Prerequisite(s): junior standing. (Even 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). History of Classical Civilization — 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. (Odd Springs)

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)

Course Descriptions

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)

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 1075. The Money Course — 1 hr.

Using a family science perspective, this class will target how college students' financial decisions impact their future. It explores the management of personal financial resources with an emphasis on long-term financial well being; financial skills and planning; and the impact of debt accrued during college. Offered credit/no credit only. (Fall, Spring, Summer)

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); FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); 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)

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 2060 (31F:060); 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) (Fall and Spring)

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). The American Consumer — 3 hrs.

Analytical approach to the consumption of durables, goods, services, and housing; developing competencies for consumer decisions and actions in a global economy. 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); 3 hours social science research methods; 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); ACCT 2130 (120:031); 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

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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): 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). Corporation Finance — 3 hrs.

Introductory course in corporation finance relating to the role of the finance function with 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); ACCT 2130 (120:031); STAT 1772 (800:072) or equivalent; ECON 1041 (920:053); ECON 1051 (920:054); ECON 1011 (920:070); junior standing. Mathematics majors who have successfully completed MATH 1420 (800:060) and MATH 1421 (800:061) may enroll with the consent of department head. (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); 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 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); 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, Spring, Summer)

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. (Fall and Spring)

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 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 6280 (160:280). Topics in Finance — 1-3 hrs.

In-depth examination of various aspects of financial management through discussions of specific topics in finance. Integration of financial theory and case analysis with advanced finance topics. May be repeated for maximum of 6 hours. Anticipated typical credit of 1 hour. Prerequisite(s): consent of MBA Director. (Variable)

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 — 3-4 hrs.

Development of listening comprehension, speaking, reading and writing, and cultural literacy. Corequisite(s): FREN 1011 (720:003). (Fall and Spring)

FREN 1002 (720:002). Introduction to French Language and Culture II — 3-4 hrs.

Continuation of FREN 1001 (720:001). Prerequisite(s): FREN 1001 (720:001); FREN 1011 (720:003); or equivalents. Corequisite(s): FREN 1012 (720:004). (Fall and Spring)

FREN 1011 (720:003). French Communication Practice I — 1-2 hrs.

Practice (both live and computer-mediated) to reinforce and broaden the development of language and culture. Corequisite(s): FREN 1001 (720:001). (Fall and Spring)

FREN 1012 (720:004). French Communication Practice II — 1-2 hrs.

Continuation of FREN 1011 (720:003). Prerequisite(s): FREN 1001 (720:001); FREN 1011 (720:003); or equivalents. Corequisite(s): FREN 1002 (720:002). (Fall and Spring)

FREN 1120 (720:031). Introduction to Francophone Literature in Translation — 3 hrs.

Understanding and appreciating basic forms of Francophone literatures in English translation through close reading of literary texts. (Variable)

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 — 1-2 hrs.

Practice (both live and computer-mediated) to reinforce and broaden the development of language and culture. Prerequisite(s): FREN 1002 (720:002); FREN 1012 (720:004); 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 3000 (720:100). Teaching French in the Elementary Schools — 1 hr.

Techniques and practice in teaching French; includes weekly training experience in local schools plus class sessions. May be repeated twice. Prerequisite(s): consent of instructor. (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 4007/5007 (720:107g). Listening and Comprehension — 3 hrs.

Development and improvement of ease with which one understands all types of standard speech including taped material, readings, radio and television broadcasts, and movies. Offered only on summer study tour. Prerequisite(s): junior standing. (Variable)

FREN 4008/5008 (720:108g). Special Topics in Francophone Culture — 3 hrs.

Aspects of Francophone history and culture. May be repeated on different topic. Prerequisite(s): FREN 3001/5001 (720:101g) or equivalent; junior standing. (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)

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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 4026/5026 (720:126g). French Summer Symposium: (Topic) — 2-6 hrs.

Intensive summer course designed to complement courses offered during the fall and spring semesters. Topic listed in Schedule of Classes. May be repeated on different topic. 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)

FREN 4060/5060 (720:160g). Advanced Oral Practice — 2-4 hrs.

Development of oral fluency and greater accuracy through structured oral exercises; free conversation dealing with civilization and topics of current interest. Structural, morphological, and phonetic exercises designed to meet the needs of individual participants. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): FREN 3001/5001 (720:101g) or equivalent. (Variable)

FREN 4061/5061 (720:161g). French Phonetics — 2 hrs.

Correction of and practice in producing French sounds, intonation, rhythm, and stress to minimize foreign accent. Prerequisite(s): FREN 2002 (720:051); FREN 2012 (720:061); or equivalents; junior standing. (Variable)

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 6007 (720:207). Contemporary French Speech — 2 hrs.

Understanding and identification of major levels of spoken French, including elegant, standard, and familiar speech styles; structural, lexical, and phonological study of current French speech, stressing areas of socio-linguistic importance. (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 6026 (720:226). French Graduate Summer Symposium: (Topic) — 2-6 hrs.

Intensive summer course designed to complement courses offered during the fall and spring semesters. Topic listed in Schedule of Classes. May be repeated on different topic. Prerequisite(s): FREN 3001/5001 (720:101g) or equivalent. (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 and Spring)

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 and Spring)

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). Maps and Map Interpretation — 3 hrs.
Survey of various types of maps available from perspective of map maker and user. 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. (Even 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. (Even Springs)

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. (Even 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 Falls)

GEOG 4130/5130 (970:114g). Political Geography — 3 hrs.
Geographic factors in origin, development, behavior, and interaction of states. Prerequisite(s): junior standing. (Even Falls)

GEOG 4140/5140 (970:116g). Geopolitics: (Variable Topic) — 3 hrs.
Classical and contemporary geopolitical theory applied in the context of variable settings and topics. May be repeated once for credit on different topics. Prerequisite(s): one previous 100/3000/4000-level course in social science; junior standing. (Odd Falls)

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)

Course Descriptions

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. (Fall)

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. (Fall and Spring)

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. (Fall and Spring)

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. (Fall and 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 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 4520/5520 (970:171g). Issues in the Teaching of Geography — 3 hrs.

Strategies and methods for teaching geography and incorporating geographic perspective in social studies courses. Prerequisite(s): junior standing. (Odd Springs)

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. Corequisite(s): GER 1011 (740:003). (Fall and Spring)

GER 1002 (740:002). German Language and Culture II — 3 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 1012 (740:004). (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 2051 (740:111). Business German — 3 hrs.

Introduction to current business concepts and practices in German-speaking countries. Reading and interpreting business information, and reading and writing basic business correspondence; accessing business news. Prerequisite(s): consent of instructor. (Variable)

GER 3000 (740:100). Teaching German in the Elementary Schools — 1 hr.

Techniques and practice in teaching German at elementary school level. Students teach German in local schools for approximately one hour per week and meet with course instructor on regular basis. May be repeated twice. Prerequisite(s): consent of instructor. (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 3002/5002 (740:102g). Advanced Composition and Grammar Review — 3 hrs.

Improvement of writing skills through composition, in-class grammar review, and individual tutorial sessions. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): GER 2002 (740:013); GER 2012 (740:014); or equivalents. (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 3005/5005 (740:105g). Advanced German Communication — 3 hrs.

Further development of speaking, writing, reading, and listening skills through the study of German language media. Prerequisite(s): GER 3001/5001 (740:101g) or GER 3003/5003 (740:103g) or equivalents; junior standing. (Variable)

GER 3016/5016 (740:116g). Modern Literature and Culture — 3 hrs.

Introduction to literary and sociocultural developments in German-speaking communities from the turn of the Twentieth Century to the present. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): GER 3001/5001 (740:101g) or equivalent. (Variable)

Course Descriptions

GER 3032 (740:132). The German-American Experience — 3 hrs.

Examination of major contributions of immigrants from German-speaking regions of Europe to cultural and civic developments in the U.S. from the Seventeenth Century to the present through the study of linguistic influences, literary and artistic expressions, and other authentic documents. (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 4022/5022 (740:122g). Special Topics in Literature — 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 4023/5023 (740:123g). Cultural History of German-Speaking Countries — 3 hrs.

Critical investigation into the relationships between language and historical and sociocultural development of German-speaking countries. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): GER 3001/5001 (740:101g) or equivalent. (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 4060/5060 (740:160g). German Language: Its History and Current Trends — 3 hrs.

Surveys the developments and trends in the German language from its beginning to the present time. 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)

GER 6050 (740:250). German Literature in Review — 3 hrs.

Major periods of German literature, literary genres, and techniques. Primarily for students who plan to take the M.A. comprehensives in German. Prerequisite(s): consent of instructor. (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) (Fall and Spring)

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)

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): 6 hours gerontology core courses (two of the following four courses); FAM SERV 3150/5150 (31F:150g), PSYCH 3204/5204 (400:173g),

HPE 4125/5125 (410:125g), SOC 3035/5035 (980:125g); junior standing. (Variable)

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 3100/5100 (980:184g). (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, Physical Education and Leisure Services, Interdepartmental Courses (HPELS)

Courses

HPELS 1010 (440:010). Personal Wellness — 3 hrs. Concepts of exercise science, nutrition, stress management, contemporary health issues, and decision making. Assessment, application, and participation in lifetime fitness and skill activities. (Fall, Spring, Summer)

HPELS 2045 (440:045). 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 (410:135) 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)

HPELS 3120 (440:120). Technology Integration for the HPELS Professional — 2 hrs. Introduction to computer terminology, technology, communication and information systems. Integration of appropriate technology into professional settings within health, physical education and leisure services. Students should have competency in basic computing skills (e.g., introductory level workshops offered by the Center for Educational Technology, or equivalent). Prerequisite(s): declared HPELS major (41x, 42x, 43x). (Variable)

HPELS 6210 (440:210). Quantitative Methods in HPELS — 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)

HPELS 6215 (440:215). 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)

HPELS 6290 (440:290). Research Methods for Health, Physical Education and Leisure Services — 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)

HPELS 7329 (430:329). 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)

HPELS 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)

HPELS 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)

HPELS 7410 (430:310). 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)

HPELS 7412 (430:312). 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): HPELS 7410 (430:310). (Variable)

Health Promotion and Education Courses (HPE)

Course Descriptions

Courses

HPE 1101 (410:005). Introduction to Public Health — 1 hr.

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 3135 (410:135). Elementary School Health Education Methods — 2 hrs.

Examination of health and health education needs of elementary school children and role of teacher in planning, delivering, and evaluating comprehensive school health education; introduction of instructional methods and materials and their use demonstrated and practiced. (Fall and 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 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. (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 — 1 hr.

The Health Promotion and Education internship seminar course is a professional development oriented course which guilds 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. May be repeated for maximum of 2 hours. Prerequisite(s): Instructor approval. Corequisite(s): GERO 4195 (31G:195) or HPE 4768 (410:168) or SOC 3100/5100 (980:184g). (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 4155/5155 (410:155g). Stress Management — 2 hrs.

Introduction to stress and stress management, the relationship between stress and disease. Preference to Health Promotion majors. Prerequisite(s): junior standing. (Spring)

HPE 4161/5161 (410:161g). Global Health Mission — 3-6 hrs.

Intensive immersion opportunity to plan, implement, and evaluate a large-scale health promotion program on-site with an underserved community in the U.S. or abroad. Under faculty supervision, students will travel, live, and work among the target population. Offered credit/no credit basis only. May be repeated. Prerequisite(s): HPE 4167/5167 (410:167g); 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 4164/5164 (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. Prerequisite(s): junior standing. (Spring)

HPE 4167/5167 (410:167g). Cultural Competency for the Helping Professions — 1 hr.

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 — 2 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 and Application — 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 Evaluation of Public Health/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. Implementation of and Advocacy for Public Health and Health Promotion Programs — 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 — 2 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)

HPE 4663/5663 (410:163g). Human Pathophysiology for Health Promotion — 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 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)

Course Descriptions

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 7214 (410:319). Health Disparities — 3 hrs.

Overview of the description, occurrence, and determinants of health disparities in the U.S., and discussion of strategies to promote health equity for all. (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 major. Corequisite(s): HIST 1011 (960:011). (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 major. 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). Applying History: The Public Alternative — 3 hrs.

Exploration of employment possibilities other than teaching for those with degrees in History. Examination of skills required to pursue a career in public history and a variety of issues that public historians confront. 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.

Individualized study and experience in public history settings. Work projects defined by instructor, site supervisor, and student. Attendance at weekly forum mandatory, and term paper reflective of the experience is required. May be repeated for a maximum of 6 hours credit. Prerequisite(s): Iowa History course (recommended); HIST 4010/5010 (960:106g); junior standing; consent of instructor. (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 in History — 3 hrs.

Areas listed in Schedule of Classes. May be repeated. (Fall and Spring)

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 Historiography — 3 hrs.

Seminar on major schools of interpretation of the history of areas beyond the United States with specific examination of the historiographical development of selected topics. 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 1010 (680:010). Leadership: Skills and Styles — 3 hrs.

Basic principles and skills of personal leadership. Focus on clarifying values, motivating individuals, and organizing groups. Practical applications and use of case studies. (Same as COMM 1156) (Variable)

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 3110/5110 (680:110g). Leadership: Concepts and Practice — 3 hrs.

Analysis of relationship between leadership theory and practice. Focus on development of critical and evaluative skills. Historical and contemporary perspectives on leaders and issues. Prerequisite(s): HUM 1010 (680:010); junior standing. (Same as COMM 4156/5156) (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)

HUM 3131 (680:131). Practicum in African American Culture — 2 hrs.

Opportunity to work on self-optional or assigned project; may include work in public school system, volunteer bureaus, and/or community social agencies. May be repeated for maximum of 4 hours. Prerequisite(s) or corequisite(s): HUM 3130 (680:130). (Variable)

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 1010 (680:010); HUM 3110/5110

Course Descriptions

(680:110g); 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 1010 (680:010); HUM 3110/5110 (680:110g); junior standing or consent of instructor. (Same as COMM 3157) (Variable)

HUM 3189/5189 (680:189g). Seminar in Environmental Problems — 3 hrs.

Experience in environmental problem solving of both a theoretical and practical nature. Prerequisite(s): junior standing; consent of instructor. (Variable)

HUM 4192 (680:192). Junior-Senior Seminar — 3 hrs.

Seminar in humanities offered to junior and senior majors in Humanities as listed in Schedule of Classes. Open to upperclass students of any major. May be repeated in different fields. (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; consent of instructor. (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 6205 (240:205). Instructional Computing Design — 3 hrs.

Evaluation and design of computer-based instructional materials. Involves hands-on experience in designing computer-based lessons

and/or tutorials. Prerequisite(s): INSTTECH 6240 (240:240). (Spring and 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 6245 (240:245). Applying Instructional Design — 3 hrs.

Case-based analysis of instructional design scenarios and application of current research and theory into the instructional design process. Prerequisite(s): INSTTECH 6240 (240:240). (Variable)

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 — 3 hrs.

Overview of interior design issues relating to design methods, human factors, professions and certifications, current concerns, and environments. (Variable)

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 I — 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 1067 (31I:067). History of Interiors I — 3 hrs.

Styles of furnishings, interiors, and architecture from antiquity to the mid-19th century. (Spring)

INTDSGN 2024 (31I:066). Design I — 4 hrs.

Design and presentation skills developed through studio experiences in various media. Emphasis on perceptual and conceptual development in two and three dimensions. Corequisite(s): INTDSGN 2125 (31I:125); declared Interior Design majors only. Prerequisite(s) or corequisite(s): INTDSGN 2063 (31I:064). (Fall)

INTDSGN 2063 (31I:064). Drafting II — 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 2024 (31I:066); INTDSGN 2125 (31I:125); declared Interior Design majors only. (Fall)

INTDSGN 2067 (31I:068). History of Interiors II — 3 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 2125 (31I:125). Design II — 4 hrs.

Interior design materials, structural components, building and mechanical systems, and lighting design. Prerequisite(s) or corequisite(s): INTDSGN 2063 (31I:064); INTDSGN 2024 (31I:066); declared Interior Design majors only. (Fall)

Course Descriptions

INTDSGN 3065 (31I:075). Computer Applications for Interior Design — 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 3126 (31I:126). Design III — 4 hrs.

Residential design. Programming, space planning, life safety issues, conceptualization, problem solving, and presentation. Includes special populations and purposes. Prerequisite(s): INTDSGN 2125 (31I:125); declared Interior Design majors only. (Spring)

INTDSGN 3127 (31I:127). Design IV — 4 hrs.

Non-residential design, programming, space planning, life safety issues, conceptualization, problem solving, and presentation. Includes special populations and purposes. Prerequisite(s): INTDSGN 3126 (31I:126); declared Interior Design majors only. (Fall)

INTDSGN 3128 (31I:128). Design V — 4 hrs.

Complex residential/non-residential design problems incorporating applied research methods. Prerequisite(s): INTDSGN 3127 (31I:127); 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 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 3126 (31I:126); 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 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): 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 — 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 — 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)

Course Descriptions

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 3175/5175 (890:175g). Soil Genesis and Landscape Relationships — 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)

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)

Courses

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). Tourism and Recreation Marketing — 3 hrs.

Core concepts of tourism and leisure services marketing including promotion, management, philosophies, planning, environment, research, consumer behavior, and market segmentation. Presents promotion as a function of management, designed as tool to help sustain the industry. (Fall or Spring)

LYHS 2335 (430:060). Principles of Nonprofit and Youth Agencies — 3 hrs.

Principles of the youth and human services profession, including history, philosophy, missions, scope of services, activities, and trends. Special emphases on the affiliate agencies within American Humanics, Inc. umbrella. (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)

Course Descriptions

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). Professional Leadership Practicum — 2 hrs.

Professional development forum to explore professional preparation and practice for entry-level activities in leisure, youth and human services, with emphasis on the Nonprofit Leadership Alliance program. Presented through a unique series of activities that encourage critical analysis and self-exploration. 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 Nonprofit and Youth Agencies — 3 hrs.

Management and supervision of volunteers, staff, and board members in nonprofit and youth service agencies. Emphasis on nonprofit 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): LYHS 3990; 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. 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 — 2 hrs.

Professional development forum to explore professional preparation and professional practice for leadership activities in leisure, youth and human services, with emphasis on the Nonprofit Leadership Alliance program. Presented through a unique series of activities that encourage critical analysis, self-exploration and practical application of leadership. May be repeated for maximum of 12 hours. Prerequisite(s): junior standing. (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 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 3991/5991 (430:123); 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 3991/5991 (430:123); 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 3991/5991 (430:123); LYHS 4995/5995 (430:160g); LYHS 4996/5996 (430:167g); 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)

Course Descriptions

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)

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)

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 4150/5150 (210:152g); 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 (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 (230:119) or above and have a cumulative and UNI GPA of 3.00 or higher to enroll in this course. (Variable)

LITED 3121 (230:121). Advanced Children's Literature — 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 (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 (230:119) or LITED 3121 (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 (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 (230:119) or LITED 3121 (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 (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 (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 (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 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

Course Descriptions

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 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 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 the Systems Development Life Cycle to a live development project. Emphasis on determining requirements, detailing design specifications, programming, testing, training, implementation, and documentation. Includes client relationship, team work, and project management. 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); ACCT 2130 (120:031); MGMT 2080 (150:080); STAT 1772 (800:072) or equivalent; ECON 1021 (920:020); ECON 1011 (920:070); junior standing. (Fall, Spring, Summer)

Course Descriptions

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): MGMT 3153 (150:153); junior standing. (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; 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 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)

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 3914/5914 (150:114g). Communication Management — 3 hrs.

Design and management of communication functions to support business strategies. Topics include work information flow, integrated communication functions, knowledge management, supply chain communication issues, organizational culture, and communication diversity. Prerequisite(s): ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015); junior standing. (Variable)

MGMT 3919/5919 (150:119g). Leadership and Human Relations — 3 hrs.

Study of leadership theories and practices for purpose of developing human resources within organizations. Provides opportunity to develop human relations skills. Prerequisite(s): junior standing. (Variable)

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 4967/5967 (150:167g). Strategic Supply Management — 3 hrs.

Discussion of emerging issues in developing a supply chain and operations strategy for competitive success. Study of the roles of technology, quality, and integrative logistics, in the context of globalization of markets and procurement. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); MKTG 2110 (130:101); 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. Prerequisite(s) or corequisite(s): MKTG 3163 (130:161); MGMT 3161 (150:161); MGMT 3164 (150:164). (Spring)

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 6280 (150:280). Topics in Management — 1-3 hrs.

Selected topics in management. May be repeated for maximum of 6 hours. Anticipated typical credit of 1 hour. Prerequisite(s): consent of MBA Director. (MBA Modules I, II, and III)

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)

Course Descriptions

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); 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 3589/5589 (130:197g). Experiential Learning in Entrepreneurship — 3 hrs.

Work experience, directed research, or UNI class substituted to provide focused entrepreneurial emphasis to certificate program. Not for students with majors in Accounting, Business Teaching, Economics-Emphasis 3, Finance, Management, Management Information Systems, Marketing, or Real Estate. Prerequisite(s): BUSINESS 2010 (100:040); MKTG 2110 (130:101); MKTG 3583/5583 (130:170g); ECON 1031 (920:024); junior standing. Requires approval of T. Wayne Davis Chair of Entrepreneurship or Marketing Department Head. (Variable)

MKTG 3595 (130:142). Pricing — 3 hrs.

Study of pricing from the viewpoint of understanding capturing value and utilizing economic, psychological sociological perspectives. 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). (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). (Fall and Spring)

MATH 1130 (800:044). Trigonometry — 2 hrs.

Trigonometric functions, solution of triangles and applications of simple harmonic motions, polar coordinates, and vectors. No credit for students with credit in MATH 1140 (800:046). (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). (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): MATH 1140 (800:046) or consent of instructor. (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 1210 (800:037). Technology for Elementary School Mathematics Teachers — 2 hrs.

Survey of technologies used to develop mathematical thinking in elementary grades. Technologies addressed include calculators, LOGO, spreadsheets, Geometer's Sketchpad, other educational software, and the Internet. (Fall and Spring)

MATH 1300 (800:095). Exploring Mathematics Teaching — 1 hr.

Exploration of mathematics teaching with well-qualified teacher speakers, classroom discussions about innovative teaching, student learning and teaching as a profession. A brief field experience will be included. (Fall and Spring)

MATH 1310 (800:096). Technology and Programming 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 and programming skills 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 or subsequent remediation. (Fall and Spring)

Course Descriptions

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): 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 1210 (800:037); 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): MATH 1210 (800:037); 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). (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 3303 (800:188). The Teaching of Middle School/Junior High Mathematics — 3 hrs.

Teaching strategies for grades 5-8; roles of content and methods; participation in a middle school/junior high teaching situation. Prerequisite(s): TEACHING 3128; EDPSYCH 3148 (200:148); 6 hours of 100/3000/4000-level courses in mathematics. (Spring)

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 3303 (800:188). (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 3303 (800:188). (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. (Spring)

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. (Variable)

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. (Fall)

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)

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. (Spring)

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 3770/5770 (800:172g), credit reduced to 1 hour for students with credit in STAT 1772 (800:072). Prerequisite(s): MATH 1421 (800:061). (Same as STAT 3751) (Fall)

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)) (Fall and 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. (Even Springs)

Course Descriptions

MATH 4500/5500 (800:160g). Modern Algebra I — 3 hrs.

Introduction to study of algebraic systems. Groups, rings, fields, homomorphisms and isomorphisms. Prerequisite(s): MATH 2500 (800:076); MATH 2900; junior standing. (Fall and Spring)

MATH 4501/5501 (800:162g). Modern Algebra II — 3 hrs.

Basic properties of rings, integral domains and fields. Polynomials over fields, field extensions, straightedge and compass constructions. 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 4500/5500 (800:160g); junior standing. (Odd Falls)

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. (Even Falls)

MATH 4742/5742 (800:125g). Geometric Modeling for CAD — 3 hrs.

B-spline curves and surfaces, Bezier curves and surfaces, NURBS, curve and surface design, multi-resolution methods, subdivision/refinement methods, scattered data fitting, mesh generation, solid representation, solid modeling. Prerequisite(s): MATH 2422 (800:062); MATH 2500 (800:076); junior standing. (Variable)

MATH 4754/5754 (800:154g). Introduction to Stochastic Processes — 3 hrs.

Markov chains, Poisson processes, continuous time Markov chains, renewal processes, Brownian motion and stationary processes. Prerequisite(s): MATH 3752/5752 (800:152g); junior standing. (Same as STAT 4754/5754 (800:154g)) (Fall)

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 6213 (800:213). Selected Topics in Mathematics for the Middle Grades — 2 hrs.

Investigation of mathematical topic(s), such as geometry, data analysis, probability, or number sense. Examination of a major mathematical idea including implications of research literature, and examination of relevant curriculum materials. May be repeated once on a different topic with consent of department. Prerequisite(s): consent of department. (Variable)

MATH 6214 (800:214). Mathematical Problem Solving in the Middle Grades — 1 hr.

Solving problems from a variety of mathematical topics such as linear programming, geometry, and probability. Analyzing problem-solving techniques and teaching strategies. Investigating issues related to implementing a problem-solving approach in the classroom. (Variable)

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 6391 (800:291). Problems and Issues in Teaching High School Mathematics — 3 hrs.

Course content decided by participants and instructor. Consideration of both mathematics content and methodology of the senior high school. Prerequisite(s): consent of department. (Variable)

MATH 6393 (800:293). The Secondary School Mathematics Curriculum — 3 hrs.

Comparison of current secondary curriculum with national standards, implementation, assessment, and the role of technology. (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,

Course Descriptions

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 Queuing Networks — 3 hrs.

Queuing 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 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)

Measurement and Research Courses (MEASRES)

Courses

MEASRES 3150 (250:150). Classroom Assessment — 2 hrs.

Introduction to classroom assessment. Topics include: principles of preparation and appropriate use of teacher-constructed assessment instruments; methods of reporting assessment information; and purposes and interpretation of standardized test scores. 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): TEACHING 2017; EDPSYCH 2030 (200:030). 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 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. (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 7300 (250:300). 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): INTDEPED 7303 (190:303); INTDEPED 7314; INTDEPED 7316; or consent of department. (Variable)

MEASRES 7301 (250:301). Advanced Experimental Research in Education — 3 hrs.

Relationships between scientific research, theory construction and ethical principles; true-experimental and quasi-experimental designs; univariate, factorial, and multivariate analyses with appropriate computer applications; critical review of experimental literature and preparation of research manuscripts. Prerequisite(s): INTDEPED 7303 (190:303); INTDEPED 7314; INTDEPED 7316; or consent of department. (Variable)

MEASRES 7310 (250:310). Advanced Qualitative Methods in Educational Research — 3 hrs.

In-depth examination of the practice of qualitative inquiry. Focus on field work project leading to potentially publishable paper. Prerequisite(s): INTDEPED 7303 (190:303); INTDEPED 7314; INTDEPED 7316; consent of department. (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 1091 (080:091). Leadership and Personal Development — 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 Tactical Leadership — 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). Innovative Team Leadership — 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). Foundations of Tactical Leadership — 2 hrs.

Examines the challenges of leading in complex contemporary military operational environments. Dimensions of the cross-cultural challenges

Course Descriptions

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). Adaptive Tactical Leadership — 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). Leadership in Changing Environments — 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). Developing Adaptive Leaders — 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). Leadership in a Complex World — 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)

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 3020/5020 (520:102g). Fine Arts Practices in the Classroom: Music — 2 hrs.

Methods and principles of music in the elementary classroom. Rudiments, aural training, selection, and study of materials for listening, rhythmic activities, and singing. No credit for music major or minor. Prerequisite(s): junior standing. (Variable)

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 1340 (540:034). Saxophone.
(Fall and Spring)

MUS APPL 1350 (540:035). French 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 1510 (540:051). Group Piano.
(Variable)

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 3340/5340 (540:134g). Saxophone.
Prerequisite(s): junior standing. (Fall and Spring)

MUS APPL 3350/5350 (540:135g). French 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)

Course Descriptions

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 3510/5510 (540:151g). Group Voice.

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)

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 6340 (540:234). Saxophone.

(Fall and Spring)

MUS APPL 6350 (540:235). French 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 6510 (540:251). Group Voice.

(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 hr.

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

Course Descriptions

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 3750/5750 (570:175g). Pedagogical Approaches to Music Education — 3 hrs.

Introduction to the approach, techniques, methods, and philosophy of Orff, Kodaly, and Dalcroze teaching pedagogies. Prerequisite(s): MUS ED 3410 (570:141) or graduate status. (Variable)

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 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.

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, 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) (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). 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)

Course Descriptions

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)

MUS HIST 6500 (590:250). Projects in Music History and Literature — 1-3 hrs.

(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. 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 3220/5220 (560:122g). Conducting III--Choral — 2 hrs.

Art and techniques of conducting choral and choral-orchestral literature as related to score study of major works from all major style periods. Rehearsal experience includes conducting major works, conducting and coaching of recitatives, score reading, problems of baton clarity, and rehearsal pacing. May be repeated for credit. Prerequisite(s): MUS TECH 1220 (560:022); 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): MUS APPL 3460/5460 (540:146g) 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.

Course Descriptions

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)

MUS TECH 6500 (560:250). Projects in Music Techniques — 1-3 hrs.

(Variable)

MUS TECH 6520 (560:252). Advanced Instrumental Jazz Improvisation — 2 hrs.

Advanced concepts of jazz improvisation, including the study of contemporary jazz compositions, complex harmony, chromatic linear resources, and intervallic techniques. Prerequisite(s): MUS TECH 3520; graduate standing or consent of instructor. (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)

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 — 2 hrs.

Overview of current applications in the music industry. Prerequisite(s): MUS THEO 1120 (580:012); MUS THEO 1160 (580:016); MUS THEO 1260 (580:026) with a grade of C or higher; or consent of instructor; junior standing. (Variable)

MUS THEO 3230/5230 (580:123g). Music Technology, Advanced — 3 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 4710/5710 (964:176g). Colonial Latin American History — 3 hrs.

Discovery, exploration, conquest, and development of Colonial Latin America. Prerequisite(s): junior standing. (Fall)

HISNW 4720/5720 (964:180g). 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)

Nutrition Courses (NUTR)

Courses

NUTR 1030 (310:030). Basic Nutrition — 2 hrs.

Study of nutrition in relation to growth development and maintenance of the body. No credit for NUTR 1030 (310:030) if credit previously earned in 310:032 Fundamentals of Nutrition. (Variable)

NUTR 1031 (310:031). 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)

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 1510. Ethics for College Students — 3 hrs.

Students learn how, not what, to think about ethical issues of personal and college life: academic ethics, sexual conduct, alcohol and drugs, career choices, religious/political/social/racial diversity, and ties to family, friends and community. (Variable)

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) (Fall and Spring)

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) (Even Springs)

PHIL 2210. Dawn of Western Thought: Ancient Philosophy — 3 hrs.

History of philosophy from the Pre-Socratics to late antiquity, with emphasis on Plato and Aristotle. (Odd Falls)

PHIL 2220. Faith and Reason: Philosophy in the Middle Ages — 3 hrs.

Traces the historical development of philosophical thought on the interrelation of religious faith and reason, from late Roman

times through the Middle Ages, in Jewish, Christian, and Islamic philosophical traditions. (Same as RELS 2220) (Even Springs)

PHIL 2230. The Age of Reason: Philosophy in the Renaissance and Enlightenment — 3 hrs.

History of philosophy from Renaissance through Hume, with emphasis on continental rationalism and British empiricism. (Even Falls)

PHIL 2240. The Limits of Reason: Modern Philosophy — 3 hrs.

History of philosophy from Kant to present; emphasis on idealism, romanticism, materialism, positivism, phenomenology, existentialism. (Odd Springs)

PHIL 2500. Ethics — 3 hrs.

Study of the major schools of ethical theory through reading major thinkers and their contemporary commentators. Examination of selected theoretical and practical problems in contemporary ethics. Prerequisite(s): one philosophy course or consent of instructor. (Fall and 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) (Odd Falls)

PHIL 3010 (650:151). 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 CAP 3151 (CAP:151)) (Variable)

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) (Odd Falls)

PHIL 3350. Knowledge and Reality — 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. (Fall)

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. (Variable)

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)

PHIL 6010 (650:250). Critical Perspectives on Gender — 3 hrs.

Examines gender as a category of critical analysis, including intersections with race, ethnicity, class, sexualities, identities, embodiedness, etc. Explores how feminist theories become methods, ideologies, strategies, lenses and metaphors to understand and challenge our worlds. (Even Springs)

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)

Course Descriptions

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 (440:045). 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. Prerequisite(s): HPELS 1010 (440:010). (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)

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 3123 (420:123). History of American Sport — 2 hrs.

Historical development of sport in relation to other institutions and social movements in American society. (Variable)

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 3132 (420:132). Dance Curriculum — 2 hrs.

Place of dance in the school curriculum: relationships, progressions, and curriculum building. Prerequisite(s): PEMES 2013 (420:013); two dance activity courses of different styles; 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)

Course Descriptions

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 6200 (420:200). Computer Applications in Physical Education — 2 hrs.

Microcomputers and their use in physical education and sports medicine. Fundamentals of programming, data and file management, programmed communication, and survey of available software. Interactive computing for the use of major statistical programs. (Variable)

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)

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). (Spring)

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 during senior year. 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 4000/5000 (880:157g). Fundamentals of 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. Enrollment limited to graduate students other than physics majors; students with credit in PHYSICS 1511 (880:054) or equivalent may not take this course for credit. Discussion/lab, 5 periods. Prerequisite(s): high school algebra and trigonometry or equivalent; junior standing; consent of department head. (Fall and Spring)

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)

Course Descriptions

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). Introduction to Nanoscience and Nanotechnology — 3 hrs.

Introduction to nanoscale materials and processes; types of materials; chemical bonding and nanoscale interactions; 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). Intermediate Nanoscience and Nanotechnology — 3 hrs.

Study of nanoscale materials and processes, with emphasis on nanoscale microscopy and other experimental methods of investigation and control on the nanoscale. Prerequisite(s): CHEM 4200/5200 (860:144g)/PHYSICS 4200/5200 (880:144g); 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). Digital Electronics and Robotics — 4 hrs.

Programmable analog switching; operational amplifier applications; digital logic gates; Boolean logic; microprocessor data acquisition using sensors on digital and analog ports; motor control; programming and software control of mobile robots. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): PHYSICS 1511 (880:054) and PHYSICS 1512 (880:056), or PHYSICS 1701 (880:130) and PHYSICS 1702 (880:131); junior standing. (Even 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. (Even 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 (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. (Fall)

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. (Fall)

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). (Odd Springs)

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 3122 (941:122). Theories of Democracy — 3 hrs.

Philosophical foundations of various forms of democracy, including ancient Athens' direct democracy, the liberal representative democracy, and radical democratic movements. Considers critiques of and threats to democracy. (Variable)

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)

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POL AMER 3172 (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. (Variable)

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.

Theories and models of internal dynamics of public organizations and their role in the political milieu; characteristics and operation of American public organizations. 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 4173/5173 (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. The main topic explored may vary each time it is offered. 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 multinational 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 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. (Variable)

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 3188 (940:188). Seminar in Political Science — 3 hrs.

Undergraduate seminar covering selected advanced topics in political science. Prerequisite(s): junior standing; completion of a minimum of 12 hours in major. (Variable)

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. (Spring)

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)

Portuguese Courses (PORT)

Courses

PORT 1001 (790:001). Basic Portuguese Language and Culture — 3 hrs.

Essential language and cultural forms. Corequisite(s): PORT 1010 (790:010). (Fall and Spring)

PORT 1002 (790:002). Intermediate Portuguese Studies — 3 hrs.

Communication skills for routine situations. Prerequisite(s): PORT 1001 (790:001). Corequisite(s): PORT 1020 (790:020). (Spring)

PORT 1010 (790:010). Portuguese Practice — 2 hrs.

Practice of basic language skills and cultural literacy with live and electronic tutors. Corequisite(s): PORT 1001 (790:001). (Fall and Spring)

PORT 1020 (790:020). Portuguese Laboratory — 2 hrs.

Establishing situational language skills with live and electronic tutors. Prerequisite(s): PORT 1001 (790:001); PORT 1010 (790:010). Corequisite(s): PORT 1002 (790:002). (Spring)

Course Descriptions

PORT 1031 (790:031). Introduction to Portuguese and Hispanic Literatures in Translation — 3 hrs.

Understanding and appreciating basic forms of Portuguese and Spanish language literatures in English translation through close reading of literary texts. May count toward Portuguese minor and dual major. (Variable)

PORT 1060 (790:060). Portuguese Language and Culture Studio — 2-4 hrs.

Authentic and creative language skills, cultural communications, and clinicals with live and electronic tutors. Prerequisite(s): PORT 1002 (790:002), PORT 1020 (790:020), or consent of instructor. (Variable)

PORT 3101/5101 (790:101g). Advanced Portuguese Communications — 3 hrs.

Sharpen skills in various communications strategies, using authentic materials in writing, reading, speaking, and comprehension. May be repeated once with consent of instructor. Undergraduates earn 3 credits; graduates earn 2 credits. Prerequisite(s): PORT 1060 (790:060) or consent of instructor; junior standing. (Variable)

PORT 3109 (790:109). Bilingual Experiential Learning — 1-4 hrs.

For second-level students and higher. Experiential learning by applying language skills in educational and professional settings. May be repeated for maximum of 4 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

PORT 3123/5123 (790:123g). Multimedia Studies in Culture — 2-3 hrs.

Multimedia study of culture, history, and geography of Portuguese-speaking world. May be repeated once on different topic. Prerequisite(s): junior standing. Prerequisite(s) for majors and minors: PORT 3101/5101 (790:101g) or consent of instructor. Prerequisite(s) for non-majors and non-minors: consent of instructor. (Variable)

PORT 3180/5180 (790:180g). Topics in _____ — 3 hrs.

Advanced study of various topics in language, cultures, and literatures of Portuguese-speaking world. May be repeated on different topic. Prerequisite(s): PORT 3101/5101 (790:101g) or equivalent; junior standing. (Variable)

PORT 3191 (790:191). Practicum in Teaching Portuguese — 1-4 hrs.

Knowledge of foreign language methodologies through practical applications: lesson planning, class observations, materials development, and technology integration. Required for students in second language acquisition and foreign-language teacher education programs. Prerequisite(s): PORT 1060 (790:060) or consent of instructor. (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 6218 (170:218). Organization and Governance of Postsecondary Education — 3 hrs.

Introduction to the organization and administration of institutions that conduct postsecondary education including two- and four-year colleges and universities. Emphasis on organizational theory and behavior and use of case studies to illuminate the multifaceted mission and operation of these organizations. (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. Prerequisite(s): MEASRES 6205 (250:205). (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). Introduction to Student Affairs — 3 hrs.

Introduction to the field of college/university student services with applications of theory to practice. (Fall)

POSTSEC 6266 (170:266). Administration of Student Affairs — 3 hrs.

Provides the knowledge and develops the skills essential to effective administration of student affairs staff and services, i.e., professional development, strategic planning, budgeting and finance, human resource management, policy and legal issues, and technology and change. Prerequisite(s): POSTSEC 6218 (170:218); POSTSEC 6264 (170:264). (Fall)

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 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)

POSTSEC 6290 (170:290). Practicum in Postsecondary Education — 3 hrs.

Orientation and experience for Student Affairs majors in a professional setting. Offered on credit/no credit basis only. May be repeated for a total of 6 hours. (Variable)

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 six hours. (Variable)

POSTSEC 6299 (170:299). Research.

Prerequisite(s): consent of department. (Variable)

POSTSEC 7310 (170:310). Organizational Processes and Communication — 3 hrs.

Organizational development in the school setting. Examination of organizational and communication models and processes with emphasis on interaction patterns, interpersonal relations and interpersonal influence. No credit if credit in 270:308. Prerequisite(s): doctoral status or 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 7391 (170:391). Internship in Postsecondary Education — 1-3 hrs.

Supervised advanced experience in a postsecondary setting. 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 1002. 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. Offered credit/no credit only. 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 Differences — 3 hrs.

General overview of the nature and meaning of gender, gender roles, and stereotypes; research on gender similarities and differences;

Course Descriptions

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). (Fall or Spring)

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). (Fall or Spring)

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 hours. Prerequisite(s): PSYCH 1001 (400:001); consent of instructor. (Variable)

PSYCH 2703 (400:185). Individual Topics — 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 individual instruction per week per credit hour. Prerequisite(s): 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); must be a declared Psychology major or minor by the starting date of the course. (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. (Fall, Spring, Summer)

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. (Even Springs)

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 a maximum of 12 hours credit. (Fall and Spring)

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. (Variable)

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 and 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)

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. (Spring)

PSYCH 3502/5502 (400:134g). Motivation and Emotion — 3 hrs.

Investigation of the major factors underlying human actions. Factors that motivate our behavior including genetic and environmental influences, pleasure and need seeking, the role of personality in motivation, and how goals, incentives, and emotions influence behavior. Prerequisite(s): PSYCH 1001 (400:001); junior standing. (Fall or Spring)

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. (Fall or Spring)

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. (Fall or Spring)

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 or 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 3605/5605 (400:163g). Special Topics in Developmental Psychology — 3 hrs.

Examination of selected topics within the field of developmental psychology viewed from various theoretical and empirical perspectives. Topics may vary each semester. Prerequisite(s): PSYCH 1001 (400:001); PSYCH 3002 (400:101); PSYCH 2202 (400:120); junior standing. (Variable)

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. 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)) (Even Springs)

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)) (Spring)

Course Descriptions

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 maximum of 6 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. May be repeated for maximum of 6 hours. 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. 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 6301 (400:210). Organizational Consulting and Change Management — 2 hrs.

General discussion of the nature of organization development and organization change, discussion and developmental exercises in the skills necessary to become a successful consultant/change agent. Prerequisite(s): graduate standing in psychology (Industrial/Organizational emphasis) or consent of instructor. (Fall)

PSYCH 6302 (400:232). Training and Instructional Design — 3 hrs.

Exploration of recent theories of organization training with emphasis on instructional design. Students will compare and contrast trade approaches to academic approaches to training and will demonstrate competencies in developing and delivering training tools. Prerequisite(s): graduate standing in psychology (Industrial/Organizational emphasis) or consent of instructor. (Fall)

PSYCH 6303 (400:234). Recruitment and Selection — 3 hrs.

Focused seminar covering the recruitment and hiring of employees using lectures, discussion of key readings, and directed activities in a HR context. Topics include: recruitment, validity in selection, use of

tests in selection, and legal topics. Prerequisite(s): graduate standing in psychology or consent of instructor. (Spring)

PSYCH 6304 (400:237). Performance Appraisal — 3 hrs.

Development of criteria and methods for appraising work performance in a variety of organizations. Major topics include job analysis, criterion development, legal considerations, performance appraisal methods, and properties of appraisal data. Prerequisite(s): graduate standing in psychology (Industrial/Organizational emphasis) or consent of instructor. (Spring)

PSYCH 6305 (400:291). Practicum in Industrial/Organizational Psychology — 2 hrs.

Applied experience in the field of Industrial/Organizational Psychology. Students will work in a host organization and demonstrate consulting skills through participation in a regional contest. Prerequisite(s): graduate standing in psychology (Industrial/Organizational emphasis). (Variable)

PSYCH 6401 (400:249). Cognitive and Intellectual Assessment — 3 hrs.

Introduction to the nature, use, and interpretation of tests for assessing intelligence and other cognitive functions in varied populations in this and other cultures. 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 — 3 hrs.

Overview of theoretical and empirical issues in the measurement of personality. Examines reliability and validity of projective and actuarial methods of personality assessment, criticism of traditional approaches to personality assessment, and behavior assessment as an alternative to traditional approaches. 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 6408 (400:290). Clinical Practicum — 3 hrs.

Supervised experience as a psychologist-trainee in an appropriate mental health agency/program. Prerequisite(s): graduate standing in psychology (Clinical Science emphasis); PSYCH 6401 (400:249); PSYCH 6405 (400:262); PSYCH 6402 (400:270) and PSYCH 6407 (400:272) (grade of B- or higher in all courses). (Spring)

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. (Fall)

Public Policy Courses (PUBPOL)

Courses

PUBPOL 6205 (950:205). Research Seminar in Public Policy — 1 hr.

Seminar on questions of public policy analysis. Topics vary. May be repeated. Prerequisite(s): admission to the graduate program in Public Policy or consent of Director of Graduate Program in Public Policy. (Fall and Spring)

PUBPOL 6208 (950:208). Applied Research and Bibliography in Public Policy — 3 hrs.

Exploration of established research and available sources in participant's focus area in public policy. Successful completion satisfies program writing requirement. Prerequisite(s): ECON 3221/5221 (920:117g); POL AMER 4153/5153 (942:153g); POL AMER 4173/5173 (942:173g); PUBPOL 6275 (950:275); HIST 6020 (960:225). (Fall)

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. (Fall)

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, nominal and ordinal scale measures of association, bivariate regression/correlation, and multiple regression. Prerequisite(s): POL GEN 3111 (940:111), SOC 2020 (980:080), or consent of instructor. (Spring)

PUBPOL 6281 (950:281). Internship in Public Policy — 4 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. Prerequisite(s): POL AMER 4173/5173 (942:173g); PUBPOL 6205 (950:205); PUBPOL 6275 (950:275). (Fall, Spring, Summer)

Course Descriptions

PUBPOL 6285 (950:285). Readings in Public Policy — 1-3 hrs.
Registration requires written consent of Program Director. May be repeated. (Fall, Spring, Summer)

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) (Fall and Spring)

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) (Even Springs)

RELS 2210. Angels Across Cultures — 3 hrs.

Study of the persistent belief in angels and angel-like, superhuman beings in different religions and cultures, and examination of dynamics of popular religion. (Odd Springs)

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) (Odd Falls)

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 3130. Religion and Sexuality — 3 hrs.

Examination of ways in which religions shape and reflect ideas about the body and sexuality. (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. (Odd Springs)

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 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. (Odd Springs)

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. (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) (Odd Falls)

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)) (Fall)

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) (Variable)

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)

Russian Courses (SLAV)

Courses

SLAV 1001 (770:001). Elementary Russian Language and Culture I — 3 hrs.

Basic skills of listening comprehension, reading, speaking and writing. Introduction to Russian and Soviet culture. Corequisite(s): SLAV 1011 (770:003). (Fall)

SLAV 1002 (770:002). Elementary Russian Language and Culture II — 3 hrs.

Continuation of SLAV 1001 (770:001). Prerequisite(s): SLAV 1001 (770:001); SLAV 1011 (770:003); or equivalents. Corequisite(s): SLAV 1012 (770:004). (Spring)

SLAV 1011 (770:003). Elementary Russian Practice I — 2 hrs.

Practice of basic language skills through guided exercises and activities, including use of lab components. Corequisite(s): SLAV 1001 (770:001). (Fall)

SLAV 1012 (770:004). Elementary Russian Practice II — 2 hrs.

Continuation of SLAV 1011 (770:003). Prerequisite(s): SLAV 1001 (770:001); SLAV 1011 (770:003). Corequisite(s): SLAV 1002 (770:002). (Spring)

SLAV 1120 (770:031). Introduction to Russian Literature in Translation — 3 hrs.

Understanding and appreciating basic forms of Russian language literature in English translation through close reading of literary texts. (Variable)

SLAV 2001 (770:011). Intermediate Russian Language and Culture I — 3 hrs.

Continued development of basic skills with further enlargement of vocabulary. Prerequisite(s): SLAV 1002 (770:002); SLAV 1012 (770:004); or equivalents. Corequisite(s): SLAV 2011 (770:013). (Fall)

SLAV 2002 (770:012). Intermediate Russian Language and Culture II — 3 hrs.

Continues grammar study and emphasizes vocabulary building through readings and discussions. Prerequisite(s): SLAV 2001 (770:011); SLAV 2011 (770:013); or equivalents. Corequisite(s): SLAV 2012 (770:014). (Spring)

SLAV 2011 (770:013). Intermediate Russian Practice I — 2 hrs.

Practice of Russian to enhance fluency, flexibility, and accuracy in all skills, including use of lab components. Prerequisite(s): SLAV 1002 (770:002); SLAV 1012 (770:004). Corequisite(s): SLAV 2001 (770:011). (Fall)

SLAV 2012 (770:014). Intermediate Russian Practice II — 2 hrs.

Continuation of SLAV 2011 (770:013). Prerequisite(s): SLAV 2001 (770:011); SLAV 2011 (770:013). Corequisite(s): SLAV 2002 (770:012). (Spring)

SLAV 3091 (770:091). Bilingual Pre-Practicum — 1-6 hrs.

For second- and third-level student. Enables student to reinforce basic language skills through direct participation. May be repeated for maximum of 6 hours. Only 3 hours can be applied to a minor in Russian. Prerequisite(s): consent of instructor. (Fall and Spring)

Course Descriptions

SLAV 3101/5101 (770:101g). Advanced Russian Language and Culture I — 3 hrs.

Completes grammar study and emphasizes vocabulary building through readings and discussion of expository prose. May be repeated once for undergraduate credit. Prerequisite(s): SLAV 2002 (770:012) or equivalent; junior standing. (Fall)

SLAV 3102/5102 (770:103g). Advanced Russian Language and Culture II — 3 hrs.

Continuation of SLAV 3101/5101 (770:101g). May be repeated once for undergraduate credit. Prerequisite(s): SLAV 3101/5101 (770:101g) or equivalent; junior standing. (Spring)

SLAV 3111/5111 (770:102g). Introduction to Russian Literature I — 3 hrs.

Introduction to history and development of Russian literature from Pushkin to Tolstoy and the critical reaction to it. In English. Prerequisite(s): junior standing. (Variable)

SLAV 3112/5112 (770:104g). Introduction to Russian Literature II — 3 hrs.

Continuation of 770:102. Introduction to literature of the Silver Age, pre- and post-revolutionary periods, and post-Soviet period. In English. Prerequisite(s): junior standing. (Variable)

SLAV 3121/5121 (770:121g). Special Topics in Language and Culture — 2-3 hrs.

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): SLAV 3101/5101 (770:101g). (Variable)

SLAV 3131/5131 (770:122g). Special Topics in Literature — 2-3 hrs.

Special topics and aspects of the discipline. May be repeated on different topic. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): SLAV 3101/5101 (770:101g). (Variable)

SLAV 3132/5132 (770:132g). Nineteenth Century Russian Short Fiction — 3 hrs.

Representative short fiction from Sentimentalism to Realism. Prerequisite(s): SLAV 3102/5102 (770:103g) or equivalent; junior standing. (Variable)

SLAV 3134/5134 (770:134g). Twentieth Century Russian Literature — 3 hrs.

Selections from Russian Symbolism, pre- and post-revolutionary literature to present. Prerequisite(s): SLAV 3102/5102 (770:103g) or equivalent; junior standing. (Variable)

SLAV 4091 (770:191). Practicum in Teaching Russian — 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 enrolled in the foreign-language teacher education programs. Prerequisite(s): SLAV 3101/5101 (770:101g). Corequisite(s): LANG 4090. (Variable)

SLAV 4141/5141 (770:141g). Russian Culture and Civilization I — 3 hrs.

Lectures and readings in Russian from the foundation of Kievan Rus through the mid-18th century. Additional readings in English supplemented by class discussions and oral and written reports in Russian. Prerequisite(s): SLAV 3102/5102 (770:103g); junior standing. (Variable)

SLAV 4142/5142 (770:142g). Russian Culture and Civilization II — 3 hrs.

Continuation of SLAV 4141/5141 (770:141g). Lectures and readings from the mid-18th century to present. Prerequisite(s): SLAV 3102/5102 (770:103g) or equivalent; junior standing. (Variable)

SLAV 4196 (770:196). Senior Seminar — 3 hrs.

Various themes/topics offered. Topic listed in Schedule of Classes. Prerequisite(s): SLAV 3102/5102 (770:103g). (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 4132/5132 (300:132g). Directing the Safety Program — 2 hrs.

Organization and administration of safety programs through the entire school system. Prerequisite(s): junior standing. (Variable)

SAFETYED 4140/5140 (300:140g). Traffic Law Enforcement — 3 hrs.

Acquaints safety and driver education teachers with the purposes of traffic law enforcement and traffic engineering. 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 1010 (350:010). Library Orientation — 1 hr.

Practical working knowledge of the library and its resources. Open to freshmen, sophomores, and transfer students. (Variable)

SLS 3112 (350:112). Library Information Sources — 1 hr.

Utilization of indexes, documents, and reference sources in specific subject areas; performance of information searches on specialized topics. Open to juniors/seniors with declared majors. (Not open to School Library Studies majors.) (Variable)

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). Administration of the School Library Program — 3 hrs.

Management 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). Reference Services and Information Retrieval — 3 hrs.

Collection management for print and electronic reference resources in elementary and secondary schools. Question-negotiation, search strategies, evaluation of information delivery systems 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,

Course Descriptions

changes in matter, and chemical bonding. Prerequisite(s): SCI ED 1300 (820:031). (Even Springs)

SCI ED 3100/5100 (820:130g). Experiences in Elementary School Science — 2 hrs.

Focuses on teaching science using an inquiry approach. Introduces elementary teachers to inquiry teaching and assessment strategies, instructional planning, and inquiry-oriented curricula. Includes experiences in applying knowledge of science content and pedagogy in teaching elementary school students. Prerequisite(s): one course from SCI ED 2300 (820:181), BIOL 3181 (840:181), or EARTHSCI 3500 (870:181); junior standing. (Even Falls)

SCI ED 3200 (820:196). Current Technologies in Science Teaching — 2 hrs.

Experiences with instructional technologies used in science teaching including data collection applications and supporting materials, web-based resources and software applications. Creation of an electronic portfolio. Field experiences in secondary school science classrooms. Discussion/lab, 3 periods. Prerequisite(s): TEACHING 2017; EDPSYCH 2030 (200:030); major or minor in a science teaching program or consent of instructor. (Fall and Spring)

SCI ED 3250 (820:189). Seminar in Environmental Problems — 1 hr.

Exploration of current topics by student teams. Team examination of various facets of an issue, focusing on development of a factual resume of natural, political, economic, and humanistic data which will be integrated for use in developing potential solutions. Value clarification activities. (Variable)

SCI ED 3300/5300 (820:190g). Orientation to Science Teaching — 3 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 2017; EDPSYCH 2030 (200:030); a major or minor in a science area; junior standing. Prerequisite(s) or corequisite(s): SCI ED 3200 (820:196). (Fall and Spring)

SCI ED 3500/5500 (820:113g). Techniques for Science Teachers — 1-5 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. 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 (820:196); 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 — 1-6 hrs.

Problems selected according to needs of students. (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. (Variable)

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. (Variable)

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. (Variable)

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. (Variable)

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. (Variable)

Social Foundations Courses (SOCFOUND)

Courses

SOCFOUND 3119 (260:119). Schools and American Society — 3 hrs.

Relationship of schools and American society from sociological, historical, philosophical, political, and economic perspectives. Focus on central characteristics of the educational system and influence of these on teachers as professionals and teaching as a profession. Prerequisite(s): junior standing. (Fall, Spring, Summer)

SOCFOUND 4134/5134 (260:134g). History of Education — 3 hrs.

Education as a formal institution; emphasis on the historical antecedents which have affected education in Western Culture and America. Prerequisite(s): junior standing. (Variable)

SOCFOUND 4234/5234. Philosophy of Education — 3 hrs.

Analytical study of major philosophical viewpoints of modern education, emphasis on professional problems of education and the development of educational principles. 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.

Survey of several American minorities, including Hispanics, Blacks, Asians, and Native Americans. Multi-disciplinary study of these groups with particular emphasis on geographic origins, linguistic traditions, and current modes of economic subsistence. Introduction to folkways and mores of each group. (Same as SW 2045 (450:045)) (Fall and Spring)

SOC SCI 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): Prerequisite(s) or corequisite(s): TEACHING 3128; consent of instructor. (Fall and Spring)

SOC SCI 4190 (900:190). 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)

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 Work Courses (SW)

Courses

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 2042 (450:042). Social Services and Social Work — 3 hrs.

Legal aspects, goals, and values of the social work profession, and roles of the social worker in social service agencies. Prerequisite(s): SW 1041 (450:041) or consent of instructor. (Fall and Spring)

SW 2045 (450:045). American Racial and Ethnic Minorities — 3 hrs.

Survey of several American minorities, including Hispanics, Blacks, Asians, and Native Americans. Multi-disciplinary study of these groups with particular emphasis on geographic origins, linguistic traditions and current modes of economic subsistence. Introduction to folkways and mores of each group. (Same as SOC SCI 1045 (900:045)) (Fall and Spring)

SW 2080 (450:080). Statistics for Social Work — 3 hrs.

Data-analytic techniques appropriate to social work research. Reasons to learn statistics, measures of central tendency, measures of dispersion and variability, levels of measurement, frequency tables and histograms, percentiles, Z-scores, inferential statistics, p-values, confidence intervals, Type I and Type II errors, chi-square, Pearson, Spearman, and point bi-serial correlations, shared variance, one-way ANOVA, multi-way ANOVA, linear regression, ANCOVA. Introduction to LISREL and basic epidemiological analyses including incidence, prevalence, relative risk, and odds-ratio. Prerequisite(s): completion of mathematics requirement for the Liberal Arts Core. (Variable)

SW 2091 (450:091). Social Work Practice I — 3 hrs.

Knowledge, skills, and values for generalist social work practice utilizing a problem-solving approach and a phase-based model to social work practice. Emphasis is on skill development and essential competencies and corresponding practice behaviors consistent with the purpose and scope of the Social Work profession and the Council on Social Work Education. Prerequisite(s): SW 1041 (450:041); SW 2042 (450:042) (may be corequisite); 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. (Same as ANTH 3470 (990:102) and SOC 3090 (980:102)) (Variable)

SW 3184 (450:184). Field Instruction — 11-15 hrs.

440 clock hours required. Eleven credit hours may be earned by: (1) 3-1/2 days per week on a semester basis; or (2) full-time for eleven weeks during a semester; or (3) full-time for eleven weeks during the summer. Additional credit hours will require additional clock hours in field instruction. Offered on credit/no credit basis only. Prerequisite(s): SW 2042 (450:042); SW 4164/5164 (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 2.40; senior standing. (Fall, Spring, Summer)

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)

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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). Social Work Practice II — 3 hrs.

This is the second course in the B.A.S.W. practice sequence, and it is at an intermediate level. This course, which builds on the skills and competencies learned in the Social Work Practice I, employs selected models of practice for in-depth study with emphasis on the theoretical basis of each model and the acquisition of skills and knowledge for work with individuals and families. This course includes experiential exercises, including behavior rehearsal, discussions, and presentations. 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 4121/5121 (450:121g). Mental Deviance and Mental Health Institutions — 3 hrs.

Study of social factors associated with mental illness, its onset, the organizational context of its care and treatment, and its effects on various societal institutions. Prerequisite(s): SOC 1000 (980:001) or SOC 1060 (980:060); junior standing. (Variable)

SW 4142/5142 (450:142g). Working With Racial and Ethnic Minorities — 3 hrs.

Examination of values and behaviors related to ethnic group membership and social class. Utilization of such knowledge for problem assessment and intervention. Development of ethnic-sensitive practice skills. Prerequisite(s): SW 1041 (450:041); junior standing. (Variable)

SW 4143/5143 (450:143g). Stress and Stress Management in the Helping Professions — 3 hrs.

Stress and stress management for helping professionals and their clientele. Physiological, psychological, social, and economic factors producing stress. Coping, management, and prevention procedures. Prerequisite(s): junior standing. (Variable)

SW 4144/5144 (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 1041 (450:041); SW 2042 (450:042); senior standing. (Fall and Spring)

SW 4163/5163 (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 4164/5164 (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 4172/5172 (450:172g). Human Services Administration — 3 hrs.

Major concepts, principles, methods, and theories of administration of human services agencies, public and private. Application of systems theories to administration of these agencies. Prerequisite(s): SW 1041 (450:041); 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): SW 1041 (450:041); junior standing. (Variable)

SW 4190 (450:190). Specialized Field Placement — 1-6 hrs.

Specialized Field Placement can be designed to meet unique situations; beyond SW 3184 (450:184). Students may elect 1-6 hours credit; 40 clock hours equals 1 credit hour. Student may enroll for maximum of 18 credit hours in a combination of SW 3184 (450:184) and SW 4190 (450:190). Prerequisite(s): SW 3192 (450:192); minimum UNI GPA of 2.40. Enrollment by consent of the Field Coordinator only. (Fall and Spring)

SW 4193/5193 (450:193g). Therapeutic Communication — 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 4195/5195 (450:195g). Family and Group Practice — 3 hrs.

Family, family network, and group work intervention skills. Prerequisite(s): SW 3192 (450:192); junior standing. (Variable)

SW 4196/5196 (450:196g). Community and Organizational Practice — 3 hrs.

This course is designed for students to develop a knowledge base and practice skills fundamental to effect social change within communities and organizations. Students will learn methods of assessing macro systems as well as developing, implementing, and evaluating appropriate intervention strategies to advance human rights and socio-economic and political justice for the society as a whole, especially, for populations at risk. Prerequisite(s): SW 3192 (450:192); junior standing. (Fall and Spring)

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). Human Behavior and the Social Environment Macro — 3 hrs.

Integrates environmental systems as a framework for generalist social work practice. Emphasis on macro systems-groups, organizations, communities, and societal and global influences. 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 6214 (450:214). Social Work Practice I — 3 hrs.

Introduces foundation core of the generalist social work practice approach. Develops practice skills in context of social work values and 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.

Builds on SW 6214 (450:214) addressing social work practice from a generalist perspective and includes mezzo-system knowledge and intervention skills 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.

This course is designed for students to develop a knowledge base and practice skills fundamental to effect social change within communities and organizations. Students will learn methods of assessing macro systems as well as developing, implementing, and evaluating appropriate intervention strategies to advance human rights and socio-economic and political justice for the society as a whole, especially, for populations at risk. Prerequisite(s): SW 6214 (450:214). (Spring)

SW 6218 (450:218). Introduction to Social Work Research — 3 hrs.

This course provides an overview of the basic concepts, principles, and procedures used by social workers in applied research. Students will learn about a variety of aspects of scientific inquiry that will help them understand the role of research in the field of social work. The course will provide special emphases on the different stages of the research process, including problem formulation, sampling, measurement, design, data collection, and data analysis within the context of professional values, ethics, and commitment to social and economic justice. Prerequisite(s): admission to graduate program in Social Work or written consent of instructor and completion of a college level course in statistical methods. (Fall)

SW 6220. Foundation Practicum — 6 hrs.

Practicum placement for first year M.S.W. students, spring semester. 400 clock hours required. Practicum established by arrangement with Department of Social Work Field Director. Offered on credit/no credit basis only. Prerequisite(s): Admission to graduate program in Social Work or written consent of instructor. (Spring)

SW 6221. Foundation Practicum Seminar — 2 hrs.

This seminar complements SW 6220 Foundation Practicum. This is a graded portion of field practicum. (Spring)

SW 6222. Foundation Practicum I — 2 hrs.

Practicum placement for first year M.S.W. students, fall semester. 150 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): admission to graduate program in Social Work or written consent of instructor. (Fall)

SW 6223. Foundation Practicum Seminar I — 1 hr.

This seminar complements SW 6222 Foundation Practicum I. This is a graded portion of field practicum. (Fall)

SW 6224. Foundation Practicum II — 4 hrs.

Practicum placement for first year M.S.W. students, spring semester. 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): SW 6222. (Spring)

SW 6225. Foundation Practicum Seminar II — 1 hr.

This seminar complements SW 6224 Foundation Practicum II. This is a graded portion of field practicum. (Spring)

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. (Fall)

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)

Course Descriptions

SW 6242 (450:242). Advanced Social Work Practice with Individuals — 3 hrs.

Advanced social work assessment, planning, intervention and evaluation skills, including person-in-environment and strengths perspectives, and evidence-based practice, are covered in this course. The impact of trauma on individuals in the context of diverse identities and life experiences are examined and increased self-awareness when working with individuals is addressed. Strategies for empowering trauma services are provided. 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 6243 (450:243). Advanced Social Work Practice with Groups — 3 hrs.

Application of knowledge of small group structure and dynamics to social work intervention using groups as a medium for individual change and growth as well as facilitation of groups. Differential social work group practice with diverse populations using a trauma informed approach. 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 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 6245. Advanced Standing Research — 3 hrs.

This course builds on the concepts, principles, and procedures of applied research that were covered in the undergraduate program. Students will learn about a variety of aspects of scientific inquiry that will help them understand the role of research in the field of social work. The course will provide special emphases on the different stages of the research process, including problem formulation, sampling, measurement, design, data collection, and data analysis within the context of professional values, ethics, and commitment to social and economic justice. Prerequisite(s): Graduation from a Council on Social Work Education accredited undergraduate curriculum. (Summer)

SW 6262 (450:262). Administrative Social Work Practice — 3 hrs.

Development of skills to manage human service organizations. Organizational theory, strategic planning, board development, supervision and personnel management, budgeting and financial management, case management and collaboration, and cultural diversity. 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 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 6264 (450:264). Organizational Development and Networking — 3 hrs.

Review of research literature on organizational development, examination of the processes and problems endemic to human service organizations, staff skill development, and networking. (Fall)

SW 6265. Advanced Social Work Research — 3 hrs.

Evaluation of direct social work practice and social service programs. Qualitative research methods; single system design, quantitative program evaluation; quasi-experimental design, the use of observation, interviewing, participatory evaluation, and user-controlled evaluation. 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 — 4 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 — 1 hr.

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 — 4 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 — 1 hr.

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 6280 (450:280). Crisis Intervention — 3 hrs.

Introduction to the theoretical foundations and social work practice techniques of crisis intervention. Life events that often trigger crisis, coping mechanisms, and social work practice techniques. Prerequisite(s): SW 6214 (450:214). (Variable)

SW 6285 (450:285). Readings — 1-6 hrs.

Prerequisite(s): consent of instructor. (Fall and 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. (Fall and Spring)

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)

Course Descriptions

SOC 3065/5065 (980:118g). Health, Illness, and Dying — 3 hrs.

Focus on the social organization of health care and the social psychological aspects of health, illness, and dying. Analyses of the social construction and distribution of illness, the structure of care, and the experience of health, illness, and dying. Prerequisite(s): SOC 1000 (980:001); junior standing. (Variable)

SOC 3070/5070 (980:170g). The Development of Social Theories — 3 hrs.

Summary and critical appraisal of growth of sociological thought; historical consideration of social philosophy; introduction of leading sociological thinkers and their theories of society. Prerequisite(s): SOC 1000 (980:001); junior standing. (Fall and 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)) (Spring)

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. (Same as ANTH 3470 (990:102) and SW 3102 (450:102)) (Variable)

SOC 3100/5100 (980:184g). 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 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 3120/5120 (980:145g). 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 3130/5130 (980:189g). 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 3170/5170 (980:180g). Seminar in Sociology — 1-3 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 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 Methods — 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)) (Fall)

SOC 4025/5025 (980:160g). Social Data Analysis — 3 hrs.

Intermediate methods of analysis using standing computer software program packages; descriptive and inferential statistics with controlled relationships, multivariate analysis, and scale analysis techniques. Primary orientation to survey data in social sciences. Prerequisite(s): SOC 2020 (980:080) or equivalent; junior standing. (Spring)

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 4200. Career and Professional Development — 3 hrs.

Designed for students nearing graduation. Offers an integration of the major concepts, theories, and methods within sociology. Prepares students for life after graduation, including careers and the job market. Prerequisite(s): 12 hours in sociology including SOC 2010 (980:108); junior standing. (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 6000 (980:211). Proseminar: Professional Development — 1 hr.

Helps graduate students acclimate to graduate school. Topics include strategies for reading, writing, time management, and professional and ethical behavior. (Fall)

SOC 6005 (980:212). Teaching Development — 3 hrs.

Prepares to teach introductory courses. Covers course preparation, teaching and evaluation strategies, classroom management, and demonstration of teaching skills. Students guest instruct and prepare a teaching portfolio. Prerequisite(s): completion of 16 credit hours in M.A. Sociology program or consent of instructor. (Spring)

SOC 6026 (980:260). Quantitative Analysis — 3 hrs.

Explores the principles of quantitative research, design and analysis including statistical techniques and presentation of results. Prerequisite(s): Graduate standing or consent of instructor. (Spring)

SOC 6035 (980:278). Qualitative Research — 3 hrs.

Students design and carry out qualitative research projects. Learn to recruit study participants, conduct field work, interview, analyze data, build theory from data, and write up and present results. Covers the ethics involved in qualitative research. Prerequisite(s): graduate standing or consent of instructor. (Fall)

SOC 6170 (980:280). Seminar in Sociology — 3 hrs.

Topics include Sociological Theory, Deviant Behavior, Social Psychology, Social Stratification, Population, Sociological Research, Sociology of Religion, and others. Topic listed in Schedule of Classes. Advanced course in specific scheduled area will be considered a prerequisite to that seminar. May be repeated on different topics. (Variable)

SOC 6252. Foundations of Social Theory — 3 hrs.

Description and analysis of main currents in sociological and criminological thought; principal theorists, major themes, schools, trends, issues, and debates in theory. Prerequisite(s): graduate standing or consent of instructor. (Fall and Spring)

SOC 6285 (980:285). Individual Readings — 1-3 hrs.

May be repeated. Prerequisite(s): consent of instructor and department head. (Variable)

SOC 6293. Portfolio Development — 3 hrs.

Develop non-thesis project of a portfolio of pedagogical experiences for students desiring future teaching opportunities. Prerequisite(s): SOC 6005 (980:212); 16 hours in M.A. Sociology or consent of instructor. (Fall)

SOC 6297 (980:297). Practicum.

Prerequisite(s): consent of instructor and department head. (Variable)

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 — 5 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 — 5 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 — 5 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 — 1 hr.

Techniques and practice in teaching Spanish at the elementary school level; weekly teaching experience in local schools, plus class sessions. May be repeated once. Prerequisite(s) or corequisite(s): SPAN 2002 (780:055) and consent of instructor. (Fall)

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 3005 (780:105). Literary Miniatures — 3 hrs.

Introduction to analysis of short literary forms with application to pedagogy and translation of literature. Prerequisite(s): SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent. (Variable)

Course Descriptions

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 SPAN 3005 (780:105) 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 SPAN 3005 (780:105) 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 3084/5084 (780:184g). Spanish Summer Symposium: (Topic) — 1-6 hrs.

Intensive summer course designed to complement courses offered during the fall and spring semesters. Topic listed in Schedule of Classes. May be repeated on different topic. Prerequisite(s): SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent; junior standing. (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 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 — 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): SPAN 3001 (780:101) or SPAN 3006 or SPAN 3050/5050 (780:150g) or equivalent. Corequisite(s): LANG 4090. (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 6084 (780:284). Spanish Graduate Summer Symposium: (Topic) — 1-6 hrs.

Intensive summer course designed to complement courses offered during the fall and spring semesters. Topic listed in Schedule of Classes. May be repeated on different topic. (Summer)

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

Course Descriptions

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 Toddlers with Disabilities — 3 hrs.

Working with families of infants and toddlers 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)

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); SPED 4192/5192 (220:192g) (tutorial); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g). (Fall and 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 4122/5122. (Fall, Spring, Summer)

SPED 4146/5146 (220:146g). Designing Curriculum & Instruction - Elementary Students Mild/Moderate Disabilities (K-8) — 3 hrs.

Deals with pragmatic knowledge about assessment, methodologies, techniques, and technology related specifically for group instruction of K-8 students with mild/moderate disabilities. Prerequisite(s): SPED 3150 (220:150); SPED 4151/5151 (220:151g) (or concurrent enrollment); SPED 4170/5170 (220:170g); SPED 4174/5174 (220:174g); SPED 4176/5176; LITED 3115 (230:115); MATH 3203 (800:134) (or approved elementary Mathematics methods course); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4181/5181; SPED 4192/5192 (220:192g) (Field Experience Differentiated Practicum 2). (Fall and Spring)

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 4170/5170 (220:170g); SPED 4174/5174 (220:174g); SPED 4176/5176; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4181/5181; SPED 4192/5192 (220:192g) (Field Experience Practicum 2). (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); SPED 4176/5176 (or concurrent enrollment); junior standing. Registration requires full admission to the Teacher Education Program. (Fall and Spring)

SPED 4152/5152 (220:152g). 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 4153/5153 (220:153g). 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 4160/5160. 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 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 4170/5170 (220:170g). 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); SPED 4176/5176 (or concurrent enrollment); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4174/5174 (220:174g); SPED 4192/5192 (220:192g) (Field Experience Practicum I). (Fall and Spring)

SPED 4174/5174 (220:174g). 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); SPED 4176/5176 (or concurrent enrollment); MEASRES 3150 (250:150); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4174/5174 (220:174g); SPED 4192/5192 (220:192g) (Field Experience Practicum I). (Fall and Spring)

SPED 4176/5176. Issues and Applications in Special Education — 3 hrs.

This course will explore issues in special and inclusive education, with a focus on law and legal issues, assistive technology, and related educational issues centering on identification, assessment, intervention, characteristics, advocacy, and educational implications/teaching strategies 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 4180/5180. Interdisciplinary Study of Disability — 3 hrs.

Prerequisite(s): junior standing. (Fall and Spring)

SPED 4181/5181. 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 4151/5151 (220:151g) (or concurrent enrollment); SPED 4170/5170 (220:170g); SPED 4174/5174 (220:174g); SPED 4176/5176; junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g) and one of

the following: SPED 4146/5146 (220:146g) or SPED 4147/5147 (220:147g) or SPED 4183/5183 (220:183g). (Fall and 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) (or concurrent enrollment); SPED 4170/5170 (220:170g); SPED 4174/5174 (220:174g); SPED 4176/5176; LITED 3115 (230:115); MATH 3203 (800:134) (or approved elementary Mathematics methods course); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4181/5181; SPED 4192/5192 (220:192g) (Field Experience Differentiated Practicum 2). (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 4192/5192 (220:192g). Experience in Special Education — 1-12 hrs.

Supervised assessment and teaching experience in special education as listed in the Schedule of Classes. May be repeated in different areas for up to 12 hours. Offered credit/no credit option only. Section on Early Childhood, Birth-3 may be taken for 1-3 hours, and is graded credit. Prerequisite(s): junior standing; consent of instructor. 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

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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 6289 (220:289). Seminar — 3 hrs.

May be repeated on different topics for maximum of 9 hours. Prerequisite(s): SPED 4183/5183 (220:183g) or SPED 4187/5187 (220:187g); SPED 4192/5192 (220:192g). (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 between applied research and best practices in teaching persons with disabilities. (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 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 3770/5770 (800:172g) should not enroll in STAT 1772 (800:072). (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). (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 3770/5770 (800:172g); 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)) (Fall and 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 3770/5770 (800:172g). Statistical Methods — 3 hrs.

Descriptive statistics; elementary probability; estimation and hypothesis testing from an intuitive approach; use of statistical packages. No credit for students who have credit in STAT 1774 (800:064), STAT 1772 (800:072), or STAT 3775/5775 (800:174g). Prerequisite(s): junior standing. (Variable)

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 and Spring)

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 2422 (800:062); MATH 3752/5752 (800:152g); junior standing. (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 4754/5754 (800:154g). Introduction to Stochastic Processes — 3 hrs.

Markov chains, Poisson processes, continuous time Markov chains, renewal processes, Brownian motion and stationary processes. Prerequisite(s): MATH 3752/5752 (800:152g); junior standing. (Same as MATH 4754/5754 (800:154g)) (Fall)

STAT 4772/5772 (800:122g). Statistical Computing — 3 hrs.

Use of statistical software such as SAS, SPSS, S-Plus, Minitab. Data management, graphical techniques and data analysis, computer-intensive statistical methods. Prerequisite(s): STAT 1774 (800:064) or STAT 1772 (800:072); junior standing. (Variable)

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. (Variable)

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 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. Corequisite(s): EDPSYCH 3148 (200:148); MEASRES 3150 (250:150). (Fall, Spring, Summer)

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

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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 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 4133. Workshop: Local Scoring Teacher Performance Assessments (edTPA) — 1 hr.

Workshop: Local Scoring Teacher Performance Assessments (edTPA)

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). Manufacturing Processes I — 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). Manufacturing Processes II — 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. Prerequisite(s): TECH 1008 (330:008). (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 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): pass 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. Prerequisite(s) or corequisite(s): MATH 1140 (800:046) or equivalent or consent of instructor. (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 1040 (330:040). Fundamentals of Metal Casting Engineering Technology — 2 hrs.

Introduction to foundry technologies and careers; evolution, systems, research and development, and planning/control of foundry production; evaluation of all aspects of foundry operations including melting, molding, casting quality, and supervision. (Variable)

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 1065 (330:065). Technology in Society and Organizations — 3 hrs.

Study of technology in society and the workplace, including selection, utilization, management, impact, and optimization. Focused experiences will facilitate technological literacy. (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)

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)

Course Descriptions

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.

Flexible and fixed automation systems: transfer lines, CNC programming, robotics, and FMSs. 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 publishing. 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. Corrosion concepts integrated into course to understand impact on applications of materials. 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)

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 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 three-dimensional models, productivity techniques, system customization, and translation of graphic databases using a parametric, solid modeling system. Lecture and lab. Prerequisite(s): TECH 1024 (330:024); junior standing. (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); 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 3115 (330:115). Fundamentals of Electrical and Electronic Technology — 3 hrs.

Basic DC/AC electrical circuits, electrical machines, analog/digital electronics fundamentals, electronic devices/systems, actuators, sensors, AD/DA converters and their applications. Prerequisite(s): MATH 1140 (800:046) or equivalent. (Variable)

TECH 3119 (330:119). 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. Prerequisite(s): sophomore standing. (Variable)

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 1008 (330:008); TECH 1010 (330:010); TECH 1024 (330:024); junior standing. (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). (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. (Spring)

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 concepts to manufacturing environment using statistics, sampling techniques, probability, and control charts. Calculation and interpretation of process capability, design of experiments, and continuous improvement. Prerequisite(s): MATH 1140 (800:046) or MATH 1150 (800:048) or MATH 1420 (800:060) or STAT 1772 (800:072). (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). (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): TECH 1022 (330:022). (Variable)

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 1008 (330:008); TECH 1010 (330:010); TECH 1024 (330:024); TECH 2060 (330:060). (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). (Fall)

Course Descriptions

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). (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 1055 (330:055); 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 (330:156); CS 1130 (810:030) or CS 1160 (810:036); 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 e-publishing. 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 I — 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 1022 (330:022). (Fall)

TECH 3177/5177 (330:177g). Advanced Manufacturing Processes — 3 hrs.

Fundamentals of production lines, rapid prototyping, semiconductor manufacturing, IC fabrication and packaging, introduction to nanotechnology, nanofabrication processes, process planning, group technology, concurrent engineering, design for manufacturability. 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 Manufacturing — 3 hrs.

Introduction to lean manufacturing 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 3188/5188 (330:188g). Nanotechnology Fabrication — 3 hrs.

Developmental analysis of nanotechnological fabrication developments with a focus on nanoparticles, nanoscale devices, production techniques, and their interdisciplinary applications in various industrial fields such as material science, manufacturing, physical sciences, and electronic technology. Prerequisite(s): CHEM 4210/5210 (860:148g) or PHYSICS 4210/5210 (880:148g); junior standing. (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) by the Occupational Safety and Health Administration (OSHA). Emphasis on developing and implementing a comprehensive safety and health program. 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 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. 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. (Fall)

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 (330:112). (Fall)

TECH 4112 (330:112). Industrial Projects I — 1 hr.

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. Must register for TECH 4113 (330:197) in spring semester. Prerequisite(s): senior standing. Corequisite(s): TECH 4110/5110; 12 semester hours completed in major concentration or consent of instructor. (Fall)

TECH 4113 (330:197). Industrial Projects II — 2 hrs.

Cross-disciplinary teams work to research and develop a project with industrial partners. Implementation phase includes research, testing, fabrication, and product/process documentation. Second semester culminates in project completion and seminar presentation. Prerequisite(s): TECH 4112 (330:112). (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)

Course Descriptions

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. Prerequisite(s): TECH 1022 (330:022); 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): 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): 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): MGMT 3153 (150:153) or TECH 3131/5131 (330:131g) or TECH 3143 or consent of instructor; 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 1055 (330:055); TECH 4194/5194 (330:194g); junior standing. (Spring)

TECH 4194/5194 (330:194g). Graphic Communications Estimating and Management I — 3 hrs.

Study of traditional and modern management principles. Exploration of software for cost and pricing associated with the printing industry and web-to-print publishing. Development of marketing strategies for variable data printing and ancillary services. Prerequisite(s): TECH 1055 (330:055); junior standing. (Fall)

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 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. (Odd Falls)

TECH 6200 (330:200). Industrial Technology Concepts and Issues — 2 hrs.

Survey of the major topic areas of industrial technology and the professional issues in the field with the development of a Personal Career Development Plan (PCDP) in respect to those concepts, issues, and concerns. Prerequisite(s): consent of department or instructor. (Variable)

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. (Variable)

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. (Variable)

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

Course Descriptions

that apply to manufacturing, service, and technological organizations. Prerequisite(s): program approval and advisor endorsement, or approval of instructor. (Even Springs)

TECH 6262 (330:262). Sustainable/Green Building Construction — 3 hrs.

Technologies and processes used in green building construction including low impact site development, material selection, energy efficiency in heating/air conditioning and lighting. Water conservation and reclamation. Prerequisite(s): TECH 4153/5153 (330:153g). (Variable)

TECH 6265 (330:265). Risk Analysis and Management in Construction — 3 hrs.

Cost concepts, comparison of alternative investments, economic analysis of projects in public sector, break-even and sensitivity analysis, risks and uncertainty in project investments, and decision models. Prerequisite(s): TECH 3125/5125 (330:125g); TECH 4185/5185 (330:185g). (Variable)

TECH 6273 (330:273). Machining Process Planning — 3 hrs.

Survey of various methods of metal removal, mechanics of orthogonal cutting, thermal aspects of metal cutting, cutting fluids, tool wear, tool life, machinability, machining economics, abrasive machining processes, high speed machining, ultra-precision machining and hard turning. Prerequisite(s): consent of instructor. (Variable)

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. (Variable)

TECH 6283 (330:283). Research Prospectus Seminar — 1 hr.

Supervised writing and research leading to the development and presentation of a prospectus for graduate research. Prerequisite(s): TECH 6292 (330:292); advisor approval. (Variable)

TECH 6284 (330:284). Industrial Technology — 2 hrs.

Offered in separate areas as shown in Schedule of Classes. Credit may be earned in more than one area but not repeated in a single area. Requires written consent of instructor. (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 6290 (330:290). Training and Development in Industrial Technology — 3 hrs.

Systematic application of training to enhance industrial productivity and development of the various techniques and skills to assess training needs, develop and evaluate training programs, and manage the training process in an industrial environment. (Variable)

TECH 6291 (330:291). Technical Program Development — 3 hrs.

Development of skills and techniques in the method of identifying, analyzing, selecting, and organizing instructional content. Consideration for installation, operation and evaluation of a curriculum plan in industrial technology areas. Prerequisite(s): TECH 6290 (330:290) or consent of instructor. (Variable)

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)

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. (Summer)

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 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). Problems In Eng Grammar — 3 hrs.

Investigation of the grammatical system of English; emphasis on tools and processes used to identify and teach grammatical patterns. 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). Phonology — 3 hrs.

Sound systems of human languages, including articulatory and acoustic phonetics, structural phonetics, distinctive features, and generative phonology. 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)

Course Descriptions

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 fashion and the fashion/textile apparel complex with a focus on fashion's impact on our daily lives from a variety of theoretical perspectives, including sociology, psychology and anthropology. Course also offers an historical and economic perspective illustrating how the fashion industry powers human desire, aspiration, and conflict. (Fall and Spring)

TEXDSGN 1017 (31T:015). Multicultural Aspects of Apparel Design — 3 hrs.

Exploration of multicultural aesthetic and technical aspects of apparel design and assembly to create sample books, and apparel garments and accessories. (Variable)

TEXDSGN 2004 (31T:116). History of Costume — 3 hrs.

Costume in the western world from ancient times to the present. (Fall)

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 (U4ia, FB Designer [formerly KaratCAD], Adobe Photoshop, Adobe Illustrator, and Adobe Streamline) to investigate the elements and principles of design as applied to textiles and apparel. 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). (Spring)

TEXDSGN 3008 (31T:100). Computer Applications for the Textile and Apparel Industry — 3 hrs.

Apparel industry-based software (U4ia, FB Designer [formerly KaratCAD], Adobe Photoshop, Adobe Illustrator, and Adobe Streamline) applied to the areas of textile and apparel design and product development. 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). (Spring)

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 1059 (Fashion Culture and Industry) or 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). (Fall)

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. (Spring)

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. (Fall)

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 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. (Fall and Spring)

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 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1030 (490:024) or consent of instructor. (Fall)

Course Descriptions

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): for Theatre majors: THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); Prerequisite(s) for other students: consent of instructor. (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. 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 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 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); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1025 OR THEATRE 1030 (490:024). (Fall)

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 1012 (490:015) OR THEATRE 1015 (490:016); 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 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1025; THEATRE 3002 (490:121); declaration of emphasis. (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): 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); or consent of instructor. (Variable)

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): 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). Prerequisite(s) for other students: 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): 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). Prerequisite(s) for other students: 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 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1025 OR THEATRE 1030 (490:024); 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 3112. Fine Arts Practices in the Classroom: Drama and Theatre — 2 hrs.

Provides opportunities to explore methodologies in the basic elements of process drama and theatre production for use in PK-6 classrooms in both integrated and independent content. Prerequisite(s): junior standing. (Variable)

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 1010 (490:010); THEATRE 1011 (490:011) or THEATRE 1030 (490:024) or THEATRE 3000 (490:101). (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 1012 (490:015) OR 1015; THEATRE 1020 (490:020); THEATRE 1025; THEATRE 1030 (490:024); THEATRE 3003 (490:122); THEATRE 3020 (490:138); THEATRE 3060 (490:135); THEATRE 3070 (490:136); 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 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1030 (490:024); or consent of instructor. (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 1012 (490:015) OR THEATRE 1015 (490:016), THEATRE 1020 (490:020); THEATRE 1030 (490:024); THEATRE 2040 (490:040). 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) OR THEATRE 1015 (490:016), THEATRE 1020 (490:020); THEATRE 1030 (490:024); THEATRE 2040 (490:040). Prerequisite for other students: consent of instructor. (Variable)

THEATRE 3140 (490:141). Design: Sets — 3 hrs.

Discussion and project work in the development of scenery for the performing arts. Prerequisite(s): 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 2040 (490:040); THEATRE 3139 (490:140) (Drafting); sophomore standing. (Variable)

THEATRE 3145 (490:142). Design: Lights — 3 hrs.

Discussion and project work in the development and presentation of lighting for the performing arts. Prerequisite(s): 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 2040 (490:040); THEATRE 3139 (490:140) (Drafting); sophomore standing. (Variable)

THEATRE 3150 (490:143). Design: Costumes — 3 hrs.

Discussion and project work in the development of costumes for the performing arts. Prerequisite(s): for Theatre majors: THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1030 (490:024); THEATRE 2040 (490:040); sophomore standing. Prerequisite(s) 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); THEATRE 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1030 (490:024); THEATRE 2040 (490:040); one Production Techniques (THEATRE 3139 (490:140)); junior standing. 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)

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

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(490:020); THEATRE 1025 OR THEATRE 1030 (490:024); consent of the instructor; junior standing. (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); THEATRE 1020 (490:020); THEATRE 1025 OR THEATRE 1030 (490:024); 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 1012 (490:015) OR THEATRE 1015 (490:016); THEATRE 1020 (490:020); THEATRE 1025 OR THEATRE 1030 (490:024); or consent of instructor; junior standing. 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 4166/5166 (490:166g). Readings in Theatre — 3 hrs.

Intensive investigation of a theatre style, form, period, or concept. May be repeated for maximum of 6 hours. Prerequisite(s): junior standing; consent of instructor. (Variable)

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 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)

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 West — 3 hrs.

Westward movement of the people, from the Atlantic to Pacific; impact of over two centuries of frontier experience on the course of the nation's history and in shaping of "American" character. 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). Indians in American 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 4280/5280 (961:143g). United States Labor History — 3 hrs.

Survey of the experiences and meanings of work in the United States from the period of early industrialization to the present, with a focus on common workers, labor leaders, unions, and the ways the American definition of "worker" has intersected with ideologies of race, class, and gender. Prerequisite(s): junior standing. (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

Course Descriptions

(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 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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