

University of Northern Iowa

Programs and Courses Catalog
2012-2014



**University of
Northern
Iowa**

Catalog Home

2012-2014 Catalog

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- published Summer 2012

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 2012-2014

Summer Session, 2012

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

(May session - 4 weeks)

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

(May/mid-June session - 6 weeks)

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

(June session - 4 weeks)

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

(June/July session - 8 weeks)

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

(mid-June/July session - 6 weeks)

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

(July session - 4 weeks)

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

Fall Semester, 2012

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

Spring Semester, 2013

Jan. 11	Fri., registration, 9:00 a.m.-4:00 p.m.
Jan. 14	Mon., instruction begins, 8:00 a.m.
Jan. 21	Mon., university holiday (Martin Luther King's birthday observed)
Mar. 1	Fri., first half semester ends, 10:00 p.m.
Mar. 4	Mon., second half semester begins, 8:00 a.m.
Mar. 18-22	Mon.-Fri., spring break
Mar. 25	Mon., instruction resumes, 8:00 a.m.

May 6-10	Mon.-Fri., final examinations
May 10	Fri., semester ends, 10:00 p.m.
May 11	Sat., commencement

Summer Session, 2013

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

(May session - 4 weeks)

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

(May/mid-June session - 6 weeks)

May 13	Mon., instruction begins, 7:30 a.m.
June 21	Fri., May/mid-June session ends, 10:00 p.m.

(June session - 4 weeks)

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

(June/July session - 8 weeks)

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

(mid-June/July session - 6 weeks)

June 24	Mon., instruction begins, 7:30 a.m.
Aug. 2	Fri., mid-June/July session ends, 10:00 p.m.

(July session - 4 weeks)

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

Fall Semester, 2013

Aug. 23	Fri., registration, 9 a.m.-4 p.m.
Aug. 26	Mon., instruction begins, 8:00 a.m.
Sept. 2	Mon., legal holiday (Labor Day)
Oct. 18	Fri., first half semester ends, 10:00 p.m.
Oct. 21	Mon., second half semester begins, 8:00 p.m.
Nov. 25-29	Mon.-Fri., Thanksgiving break
Dec. 2	Mon., instruction resumes, 8:00 a.m.
Dec. 16-20	Mon.-Fri., final examinations
Dec. 20	Fri., semester ends, 10:00 p.m.
Dec. 21	Sat., commencement

Spring Semester, 2014

Jan. 10	Fri., registration, 9:00 a.m.-4 p.m.
Jan. 13	Mon., instruction begins, 8:00 a.m.
Jan. 20	Mon., university holiday (Martin Luther King's birthday observed)
Feb. 28	Fri., first half semester ends, 10:00 p.m.

Mar. 3	Mon., second half semester begins, 8:00 a.m.
Mar. 17-21	Mon.-Fri., spring break
Mar. 24	Mon., instruction resumes, 8:00 a.m.
May 5-9	Mon.-Fri., final examinations
May 9	Fri., semester ends, 10:00 p.m.
May 10	Sat., commencement

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
Aug. 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	Thur., June session ends, 10:00 p.m.

(June/July session - 8 weeks)

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

(July session - 4 weeks)

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

Fall Semester, 2014

Aug. 22	Fri., registration, 9 a.m.-4 p.m.
Aug. 25	Mon., instruction begins, 8:00 a.m.
Sept. 1	Mon., legal holiday (Labor Day)
Oct. 17	Fri., first half semester ends, 10:00 p.m.
Oct. 20	Mon., second half semester begins, 8:00 a.m.
Nov. 24-28	Mon.-Fri., Thanksgiving break
Dec. 1	Mon., instruction resumes, 8:00 a.m.
Dec. 15-19	Mon.-Fri., final examinations
Dec. 19	Fri., semester ends, 10:00 p.m.
Dec. 20	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 National Association of Schools of Art and Design, the Council on Social Work Education, the American Speech-Language-Hearing Association, the National Association of Industrial Technology, 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

www.cba.uni.edu

The College of Business Administration seeks to provide a high-quality professional education that will enable its graduates to meet effectively the needs of modern society. The Vision and Mission of the College of Business Administration may be found at the website http://business.uni.edu/web/pages/about/StandFor_MissionVision.cfm.

Our educational intent is to develop graduates who are prepared to meet the global leadership challenges of the 21st century. Essential business knowledge, traditional work values, and contemporary professional skills define the education we deliver. *Essential business knowledge* is delivered in our classrooms by our faculty, with advanced degrees and practical experience, who are fully committed to our long history of great teaching. *Traditional work values* are exercised by students when they are motivated to meet the challenges of our demanding curriculum and high expectations. *Contemporary professional skills*, delivered through the College's Professional Readiness Program enable our graduates to be fully prepared and able to contribute immediately as a professional in the work place.

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% of the business credit hours required for the major from UNI. Students must also complete at least 50% 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 instructional 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

Graduate programs at the master's level in educational leadership and postsecondary education. Graduate programs at the Ed.D. level in educational leadership. For further information, visit the website at www.uni.edu/coe/elpe.

General Information

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. The department has two graduate degree programs at the master's level and one graduate specialist degree program. 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 majors 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 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

On July 1, 2011 the College of Humanities, Arts and Sciences (CHAS) was created with the merger of the College of Humanities and Fine Arts and the College of Natural Sciences. In addition, two departments in the new college—Modern Languages and English Language and Literature—were merged to form the Department of Languages and Literatures.

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, 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, 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 houses the following seven instructional departments, and also the Department of Military Science:

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

All programs have as their foundation the understanding of individuals, families, groups, and societies in their social, historical, and political relationships.

The college is the home of several professional programs as well as significant segments of the university’s course offerings in the liberal arts. The college is committed to the principle that all UNI students, including those in career-oriented programs, should receive the benefits of a broad, liberal education.

The Bachelor of Arts degree is awarded for studies in the liberal arts. The college also cooperates in intercollegiate/interdisciplinary programs leading to a major or minor in Women’s and Gender Studies. Certificate programs are offered in cartography; geographic

information systems; public history; conflict resolution; industrial and organizational psychology; sociology of Inequality; sociology of family and life course; sociology of gender and culture; sociology of race/ethnicity and immigration; substance abuse counseling; crime mapping and analysis; state and local government; and international peace and security.

The college also participates in the preparation of teachers and has programs which lead to a Bachelor of Arts-Teaching degree, the requisite degree for licensure in a discipline as a secondary school teacher. An interdisciplinary program in Social Science also leads to a teaching degree.

Graduate education is an important component of the mission and responsibilities of the college. The Master of Arts (M.A.) degree is offered in Geography, History, Psychology, and Women’s and Gender Studies. The Master of Public Policy (M.P.P.) and the Master of Social Work (M.S.W.) are also offered.

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, conducted in state-of-the-art classrooms, 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 such as National Student Exchange and Study Abroad programs and provides several summer study abroad opportunities supervised by CSBS faculty.

Career opportunities for graduates exist in a broad range of positions in education, public and social service, commerce, and industry. Students interested in detailed information on careers may contact departmental offices or the university’s Career Services.

For additional information about the College of Social and Behavioral Sciences, contact the Dean’s office at 319-273-2221 or any of the departmental offices. Information can also be obtained on the website at www.uni.edu/csbs.

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 staff 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, the Iowa Communications Network (ICN), 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
2637 Hudson Road
Cedar Falls, IA 50614-0223

General Information

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 70 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 corner of Hudson Road and West 27th Street
319-273-2123 or 1-800-772-1746, or
view the information at www.uni.edu/continuinged/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, the Iowa Communications Network (ICN), 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 180+ 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 Southern Maine.

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
2637 Hudson Road
Cedar Falls, IA 50614-0285
319-273-2504
www.uni.edu/continuinged/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 Services 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 Study Abroad Center 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: oiip@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 Services 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

The A.A. degree from all Iowa community colleges fulfills the majority of the Liberal Arts requirements at UNI. 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 a 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.

When offered on-site, the second two years are taught by UNI faculty through a mix of delivery systems including onsite classes, classes over the Iowa Communication Network, or Web-based course work. All 2+2 programs offer the same classes as programs offered on the UNI campus.

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-

General Information

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 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 may register by mail. Mail-in forms are available in the Office of the Registrar upon request. Semester schedule of classes are available on-line, generally in April for the fall semester and in November for the spring semester. Specific instructions for registration by mail are contained in the schedule of classes and on the mail-in registration form.

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 can submit to prove their English proficiency. Students with scores below this can qualify for conditional admission. Applicants may be required to submit additional information or data to support their applications. For additional information, undergraduate and graduate international applicants 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 Score

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 Regent universities recognize that the traditional measures of academic performance do not adequately describe some students' potential for success. Therefore, the Regent universities strongly encourage all interested students to apply for admission. Applicants who believe their academic record is not an accurate

reflection of their potential for success are encouraged to provide supplemental information explaining 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

Students entering the university must have completed the following set of high school courses (units) or their equivalents. These high school units apply to entering freshmen and transfer students with less than 24 semester hours of transferable college credit.

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.

* 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 completed 24 or more semester hours of transferable college credit will be considered 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 entry at Northern Iowa, 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) or more semester hours of transferable college credit. Transfer students must have or exceed the following combination of grade point and total graded transferable semester hours for admission to UNI.

- 1-23 hours, 2.50 GPA
- 24-41 hours, 2.50 GPA
- 42-59 hours, 2.25 GPA
- 60 or more hours, 2.00 GPA

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

- i Be admitted unconditionally;
- ii Be admitted conditionally; or
- iii Be denied admission.

2. **Admission of students with fewer than twenty-four 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 universities 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 except 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 form specifying their choice of degree program with a \$40 application fee or \$70 fee for international students and request all necessary official transcripts be sent to the Office of Admissions, *unless you received your undergraduate degree from the University of Northern Iowa*. 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 receiving degree status admission applications and for determination of admissibility.

A graduate of a college or university accredited by the North Central Association of Colleges and Secondary Schools or a corresponding regional agency will be granted admission to graduate study if her/his application for admission has been approved.

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 Graduate Degree Requirements.

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 apply credit earned toward a graduate program.*

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.
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

Admission Requirements

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 2012, 2013, and 2014 summer sessions will include a full eight-week session, two six-week sessions, three four-week sessions, and a number of special sessions and workshops of varying lengths. 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 materials 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 allow 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/Student Employment Center 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

Student Employment Center

105 Gilchrist
Cedar Falls, IA 50614-0024
Telephone: 319-273-6394
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 and general information and information needed by the Office of Student Financial Aid to continue processing a student's aid is 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, UNiversity Scholarship Application, 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:

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.

- 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.
- 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.
- 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.
- 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).
- 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.

State Grants

State grants are available for Iowa students who are enrolled at least half-time who complete a FAFSA and demonstrate financial need. The grants are awarded based upon an Iowa undergraduate student's expected family contribution. State grant awards 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. Recipients must have an EFC of 1000 or less throughout the 4 years for continued eligibility, 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 UNIversity Scholarship Application.

Incoming Freshmen and Transfer 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 UNIversity 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.

Current Students

The UNIversity 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.

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 grants, scholarships

Fees and Financial Aid

or loans 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 UNIversity 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) and complete a Master Promissory Note to be eligible for federal loans. Students will complete only one promissory note that will be used for all of loans at UNI. Direct Loan promissory notes can be completed online at www.studentloans.gov. 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 not need to complete another promissory note. First-time student borrowers at UNI will also need to complete Entrance Counseling at <http://www.studentloans.gov> prior to their loan being disbursed. 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. Freshman students may borrow up to \$5,500 for an academic year. Sophomore students 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 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 is fixed at 7.9%. 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 is fixed at 7.9%. 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.

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 to the university is made 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.

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 UNI GPA for coursework taken at UNI. Graduate students must maintain a minimum 3.0 UNI 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

Fees and Financial Aid

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 UNI GPA to the 2.0 minimum with graduate students meeting the 3.0 UNI 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

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 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 www.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, payment of the \$25 application fee and a \$200 prepayment. Payment is also accepted online.

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.

Room assignments are made on a date-of-prepayment basis. 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 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 canceled and prepayment forfeiture 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 40% 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) for each occupant and cable television. Furnishings and utilities are included. The Department of Residence is designed to provide housing to 4,600 students in ten residence halls. 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.

Floors within each residence hall accommodate approximately 40 students and are designated as houses. Each house sponsors its own social, cultural, and recreational programs. There are houses reserved for first-year students and houses reserved for upperclass students. Rooms for single occupancy, double occupancy 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.

Women's halls include Hagemann and Lawther. Coeducational housing is provided in Bender, Campbell, Dancer, Lawther, Noehren,

Student Life

and Shull Halls. All rooms in Shull Hall are available to upperclass students only. Continuous housing (during academic break periods) is available in Bender, Dancer, Lawther, Noehren, and Shull Halls. All halls are open during the Thanksgiving and Spring breaks.

ROTH Complex and Panther Village

Apartment and suite-style housing is open to sophomores, juniors, and seniors. Residents with good academic and behavioral status qualify for housing in ROTH and Panther Village. 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.

University Apartments

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

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

Dining Service

Dining service is provided in numerous locations across campus. The community meal plans are available to first-year students. Upperclass students have expanded flexibility with meal plan options. Students who live off campus may contract for service and enjoy the quality and convenience of on-campus 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 the SDS at 319-273-2677. 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. More 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. Ask-a-Nurse advice may be obtained by calling 319-272-2600.

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.

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 directly at the Counseling Center or by calling 319-273-2676. 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.

Veterans

The University of Northern Iowa is proud to serve all veterans, military service members, and their families. University of Northern Iowa has been included in *2012 Military Friendly Schools List* published by G.I. Jobs magazine. This list recognizes the top 15 percent of colleges, universities, and trade schools that are supporting the educational pursuits of veterans. 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

For further information regarding military/veterans and their families, also visit the websites www.uni.edu/registrar/visitors/military/veterans-resources and www.uni.edu/finaid/veterans.

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/forensic/.

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/greeklife.

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

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 Western Wrestling 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 and Activities Center, located on the plaza level of Maucker Union, or at www.uni.edu/siac.

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: Chamber Singers, 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, Jazz Bands, Symphony Orchestra, Opera/Music Theatre, 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

Student Life

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 and Activities Center, located on the plaza level of Maucker Union, or at www.uni.edu/maucker/siac.

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 Strayer-Wood Theatre. Seasons typically include classical, modern and contemporary drama, opera, musical comedy, and theatre for youth. The theatre also produces in the summer season. All members of the university community are invited to attend productions in the Strayer-Wood and Bertha Martin Theatres. For additional information 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 2,200 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 96.5 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, 3,000 periodical and newspaper subscriptions in print and online formats, with electronic access to over 52,000 journal titles; 252,000 U.S. paper documents, 300,000 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, and International Student Programs.

The Student Involvement and Activities 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.

University Facilities and Educational Services

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 or view the information at www.vpaf.uni.edu/events.

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/cats.

Legislative Advocacy

UNITE (UNI Together for Education) is a volunteer grassroots advocacy organization of alumni, faculty, staff, students, parents of UNI students and friends who are committed to higher education in Iowa and to the University of Northern Iowa. Our members participate in legislative forums, submit letters to the editor, meet with their local elected officials, and write or email their elected officials to promote UNI. Learn more at www.unialum.org/unite.

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.

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/official-ring-program.

Panther Volunteer Network

The UNI Alumni Association offers several opportunities for students to work with alumni. If you are interested in career guidance, would like to work with alumni in legislative advocacy or in any number of other ways, visit www.unialum.org/volunteer or email info@unialum.org.

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

University Facilities and Educational Services

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, TRIO Student Support Services Program, Math and Science Services, 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.
- 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 preparation information.

Examination Services offers these tests:

- College Level Examination Program (CLEP)
- Professional Assessments for Beginning Teachers: Pre-professional Skills Tests (PPST/Praxis I and II)
- Test of English as a Foreign Language (TOEFL)
- American College Testing Program (ACT)
- CASTLE Worldwide (Certification Tests)
- DSST (DANTES Subject Standardized Tests)
- ISO Quality (Certification Tests)

Examination for Graduate School Admissions:

To determine which examinations you are required to take; it is recommended that you meet with your current advisor and/or department head and the graduate student advisor for the programs to which you are applying.

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

Professional School Admission Tests:

- Law School Admission Test (LSAT)

For additional information on registration, fees, practice tests, and testing dates, please call 319-273-6023.

College Reading and Learning Center

008 ITTC
319-273-2361

The College Reading and Learning Center works with students in a variety of formats to help them develop and apply effective reading, learning, studying, and time management strategies:

- personalized academic coaching
- workshops, courses, and presentations
- faculty consultation
- preparation for the Praxis I (PPST), GRE, and other professional exams
- A-Team: academic coaches available for general study strategies coaching in any subject, Sundays 6:00 p.m.-9:00 p.m., Rod Library

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. Please address inquiries about presentations for your math or science course to the Math and Science Coordinator. 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:

- Math and science preparedness consultations
- supplemental instruction for specific courses
- calculator rental program
- walk-in, one-on-one tutoring and study skills assistance
- test preparation
- study groups
- GRE Quantitative and Praxis I (PPST) preparation courses
- Succeeding in Science and Math workshops
- How to Use a Calculator workshop
- 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 serves as advocates for participants and provide a combination of cognitive and affective services based on the individual needs of the student. The following free services are offered to eligible participants:

- academic advising, including assistance with course selection
- educational and long-range planning
- monitoring of academic progress
- personal, financial, and career advising
- tutoring and study groups
- college survival and study skills workshops
- cultural and educational activities
- financial assistance to qualified participants
- graduate school enrollment assistance

Writing Center

008 ITTC
319-273-2361

The Writing Center provides individualized assistance 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 PPST, GRE, MCAT, and other essay exams

In addition, the Writing Center offers faculty consultation and workshops customized for specific courses and groups. An A-Team writing coach is 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-classrooms.

- 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

University Facilities and Educational Services

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 Instructional/Tutorials program. It includes academic advising, career exploration, college tours, study skill development workshops, leadership conferences, and other activities.

During the summer, CUB students spend six weeks living in UNI dorms attending enrichment courses in mathematics (algebra, pre-calculus), English (literature and composition), science (biology, physics), foreign language (Spanish, French), economics, and computer science. In addition, students participate in cultural enrichment activities. Students earn credits, which are transferable to the college or university that the student will attend upon high school graduation.

Contact Information:

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

800 Sycamore Street
Waterloo, IA 50703
319-433-1220 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 communicative 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 on the lower level and first floor of the Malcolm Price Laboratory School, The CDC is licensed to serve 110 students, including 60 children in the 5-classroom day program. 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 Malcolm Price Laboratory School, 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/hpels/About_HPELS/facilities_locations.shtml

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.

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 Strayer-Wood Theatre. 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.

Strayer-Wood Theatre

The production arm of the Department of Theatre, Strayer-Wood Theatre 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 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 Strayer-Wood Theatre 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

S.T.A.G.E., Inc.

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 hour per week (i.e., 4 hours for a four-week session, 6 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.

Class Attendance

Students are expected to attend class, and the responsibility for attending class rests with the student.

Students are expected to learn and observe the attendance rules established by each instructor for each course.

Instructors will help students to make up work whenever the student has to be absent for good cause; this matter lies between the instructor and student.

Whenever possible, a student should notify the instructor in advance of circumstances which prevent class attendance.

Instructors will notify the Registrar in case a student's attendance is such that her/his membership in a class is in doubt.

Policy on Make-up Work and Missed Classes

It is the expressed focus of the University of Northern Iowa to further the educational development of each of its students. On occasion

Academic Regulations

events will necessitate a student's absence from class. In order for both faculty and students to effectively plan for these absences, the following procedures are recommended.

1. All parties involved should be made aware of scheduled absences well ahead of the date(s) of absence. In the case of extra-curricular activities, a semester-long schedule should be prepared and distributed at the beginning of the semester. In instances where semester-long schedules are not feasible, two weeks written notification shall be given for all absences. This notification shall take place even if the absence is potential rather than definite. Assuming that appropriate notification has been provided, students and faculty shall mutually agree as to how assignments, lectures, exams, etc. shall be made up. The type and extent of make-up work shall be at the discretion of the faculty member.
2. Occasionally there will occur situations where two weeks notice is impossible. On these occasions, students, faculty, and others concerned should work closely together to ascertain whether special arrangements can and/or should be made.
3. Faculty shall not penalize a student for missing a class or exam for an educationally-appropriate activity, including university sponsored or sanctioned events.
4. Where situations of irreconcilable disagreement occur which are not resolved at the department level, a panel comprised of the Vice President for Academic affairs, or that officer's designee, the Department Head of the academic department involved, and a representative of the extra-curricular program (where applicable) shall meet at their earliest convenience with the faculty member and the student to mediate the matter.

(Approved by the President's Cabinet April 23, 2001. Approved by Faculty Senate April 24, 2001.)

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 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 academic performance improves, s/he may be academically suspended. No student in his/her first-semester in attendance at the University of Northern Iowa will be academically suspended.

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 semester GPA will receive a first semester 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:

Academic Regulations

- The student will be placed on academic probation if his/her UNI 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 GPA is a 2.0 or higher.

Academic Probation

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

While on academic probation, a student will be limited to 14 credit hours. Once a student's UNI 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 academically suspended if his/her GPA for the semester is less than a 2.0.
- The student will continue on academic probation if his/her GPA for the semester is a 2.0 or higher and his/her UNI 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 GPA is a 2.0 or higher.

Academic Suspension

A student on academic probation who fails to earn a semester GPA of 2.0 will be academically suspended. 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 academically suspended 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 semester GPA of 2.0 for each semester after being readmitted until his/her UNI 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 GPA for the semester is less than a 2.0.
- The student will continue on academic probation following suspension if his/her GPA for the semester is a 2.0 or higher and his/her UNI 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 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.

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 *Field Experience: Exploring Teaching (EDPSYCH 2017 (200:017))*, *Field Experience: Teacher as Change Agent (EDPSYCH 3128 (200:128))*, 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.

Academic Regulations

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.

Cooperative Education/Internships

Cooperative Education and Internships 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. Co-ops/internships are optional, except for certain majors which require a co-op or internship for graduation.

Students who participate in a co-op or 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 transcript notations. 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 Cooperative Education and Internships can be found on the Career Services website www.uni.edu/career_services.

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. The LAC writing experience fosters learning, develops thinking, and introduces students to understanding writing as a process integral to critical inquiry in academic, professional, and personal contexts. UNI is committed to helping students become competent writers in various areas and for various purposes. Each department sets the writing requirements for its majors; because writing needs vary across disciplines, the requirements and conventions vary across departments.

Students satisfy Northern Iowa's Liberal Arts Core writing requirement by completing one of three Liberal Arts Core writing courses:

ENGLISH 1005 (620:005)	College Writing and Research	3
ENGLISH 2015 (620:015)	Craft of Academic Writing	3
ENGLISH 2120 (620:034)	Critical Writing About Literature	3

Comparable instruction and practice may be available in integrated LAC communication courses designed for first-year students and for qualified students in writing-enhanced sections of other Liberal Arts Core courses.

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 is a participating university in the College Level Examination Program (CLEP). CLEP examinations are administered regularly throughout the year. Persons interested in earning credit through CLEP should contact Examination Services for information and dates of the examinations.

The best advice for any student considering CLEP is to plan ahead. Students should take CLEP exams early in their college career to avoid taking a course that will duplicate CLEP credit, or a course that will disqualify them from receiving credit.

Not all CLEP exams are accepted for credit at UNI. A list of courses for which CLEP examinations may be taken and minimum scores to earn credit is available from the Office of Admissions or Examination Services. Students should expect their scores at the time of testing with the exception of College Composition. Credit earned from a CLEP exam approved by UNI is applied to degree requirements.

At UNI, a CLEP examination may be attempted only once for credit. For limitations in the total amount of credit earned by examination, including CLEP, which may be applied toward graduation degree requirements, refer to undergraduate Degree Requirements in this University Catalog.

Credit established by CLEP at an institution participating in the Iowa Community Colleges/Regents' Universities Credit by Examination Agreement will be accepted in transfer at full value when terms of the agreement are met.

Students who have established credit by CLEP at a college or university other than an Iowa Regents' University or an Iowa area community college participating in the Iowa Credit by Examination Agreement, may submit official reports of their scores for consideration. Students whose scores meet UNI standards for awarding credit on the basis of CLEP will receive appropriate credit.

A student may not earn credit by examination in an area in which s(he) 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 such time that a W for a grade was earned is considered to be an attempted course.

Fee payment, registration procedures, and test date information are available by contacting:

Office of Examination Services
007 Innovative Teaching and Technology Center
319-273-6023
www.uni.edu/unialc

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.

Graduate Credit for Undergraduate Students

An undergraduate student of senior standing (90 or more credits earned) at the time of registration, earning the first bachelors degree, and with a cumulative GPA of at least 3.00, may register for a maximum of 12 credit hours for graduate credit. Such registration requires approval on a student request form (available at <http://access.uni.edu/forms/index.shtml> 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.

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 the Registrar. 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 one of these classifications. They must be admitted either to graduate Degree or Non-Degree Status before they can receive graduate credit for their course work (courses numbered 100g or 200/6000-level; see course description section for 4-digit numbering for 100g-level courses). **Retroactive granting of graduate credit for course work taken while in post-baccalaureate, undergraduate**

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status will not be done if, when the course work was taken, the student received financial aid dependent on undergraduate status.

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.

Academic Ethics Policies

Students at the University of Northern Iowa are required to observe the commonly-accepted standards of academic honesty and integrity. Except in those instances in which group work is specifically authorized by the instructor of the class, no work which is not solely the student's is to be submitted to a professor in the form of an examination paper, a term paper, class project, research project, or thesis project.

Cheating of any kind on examinations and/or plagiarism of papers or projects is strictly prohibited. Also unacceptable are the purchase of papers from commercial sources, using a single paper to meet the requirement of more than one class (except in instances authorized and considered appropriate by the professors of the two classes), and submission of a term paper or project completed by any individual other than the student submitting the work. Students are cautioned that plagiarism is defined as the process of stealing or passing off as one's own the ideas or words of another, or presenting as one's own an idea or product which is derived from an existing source.

It is not acceptable for the work or ideas of another scholar to be presented as a student's own or to be utilized in a paper or project without proper citation. To avoid any appearance of plagiarism or accidental plagiarism, it is important that all students become fully cognizant of the citation procedures utilized in their own discipline and in the classes which they take. The plea of ignorance regarding citation procedures or of carelessness in citation is not a compelling defense against allegations of plagiarism. A college student, by the fact that s(he) holds that status, is expected to understand the distinction between proper scholarly use of others' work and plagiarism.

A student who is found to have improperly used others' work must expect to be penalized for such action - even if the argument is made that the action was taken with innocent intention - and the student's instructor will normally judge such work unacceptable. But it should

be noted that the assignment of a low or failing grade for unacceptable work is not in itself a **disciplinary** action - even if the assignment of such a grade results in the student's receiving a lower grade in the course, including F, than s(he) would otherwise achieve. Such a response by an instructor is part of the normal grading process; if a student feels that s(he) has grounds to protest a grade received through this process, the student has access to the academic grievance procedure which the university has developed to deal with all student academic grievances.

On the other hand, cheating and plagiarism are issues which can affect a student's status at the university in more serious ways. As an educational institution, the university maintains standards of ethical academic behavior, and recognizes its responsibility to enforce these standards. Therefore, the following procedures of **academic discipline** prevail at the University of Northern Iowa.

If a student is determined by an instructor to have committed a violation of academic ethics, the instructor may take additional **disciplinary** action including, but not limited to, grade reduction for the course in which the infraction occurs, even if the reduction is over and above the normal consequences resulting from the grade merited by the unacceptable work.

In cases where such disciplinary action is taken, the instructor is obliged to report the action in writing, to the student, to the instructor's department head, (and, if the student is from a different department, to the head of the student's department), and to the Office of the Executive Vice President and Provost for Academic Affairs. The Executive Vice President and Provost for Academic Affairs will notify the student in writing that such action has been taken, and will maintain a file for each student so disciplined. (This file is confidential and is independent of the student's normal university records.)

A student wishing to appeal or dispute the disciplinary action taken may seek redress through the university academic grievance structure. In the case of a successful grievance, the evidence of the disciplinary action taken by the instructor will be expunged from the student's file by the Executive Vice President and Provost for Academic Affairs.

In cases of particularly flagrant violations of academic ethics relating to cheating or plagiarism, the instructor may feel obliged to recommend suspension from the University of Northern Iowa for a period ranging from the term in which the infraction occurs (with a loss of all credit earned during that term) to permanent suspension from the university.

Such recommendations are sent in writing to the department head and the Executive Vice President and Provost for Academic Affairs, the latter of whom informs the student in writing that the recommendation has been made. In such cases, the academic appeals procedure is automatically invoked by the Executive Vice President and Provost for Academic Affairs. Until the mandatory academic appeal in such cases has been completed, the recommended suspension is not in effect. In cases of a successful appeal to such action, the materials relating to the successfully grieved disciplinary action will be expunged from all university records.

Finally, the Executive Vice President and Provost for Academic Affairs will regularly monitor all files relating to disciplinary action taken against specific students. If the monitoring reveals a history of disciplinary actions taken against a particular student (excluding any actions which have been successfully grieved) such that there are three or more instances of such action subsequent to any academic grievances generated by such actions, the Executive Vice President and Provost for Academic Affairs will, as a matter of course, institute proceedings for permanent suspension of that student. The procedures demand that the Executive Vice President and Provost for Academic Affairs notify the student in writing that suspension procedures have

been invoked, and there is an automatic appeal to the university academic grievance structure in all such cases.

All parts of the academic grievance structure (including those stipulated in the immediately preceding paragraph) apply in such cases, except that the Executive Vice President and Provost for Academic Affairs, as the disciplinary officer, functions in the role of the instructor in an academic grievance relating to a specific class.

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.

Academic Grievances/ Undergraduate Students

Equitable due process in academic matters is provided in grievance procedures for undergraduate students. These procedures are published annually in the *Northern Iowan* in the Student Rights and Responsibilities Statement. Copies are also available in all departmental offices and the Office of the Executive Vice President and Provost, Seerley 1.

Academic Grievances/Graduate Students

For graduate students and graduate assistants, equitable due process in academic matters is provided in grievance procedures established by the Graduate College. Copies of the grievance procedure guidelines and grievance forms are available in the Office of the Graduate College, Lang 110 and on the web at www.grad.uni.edu/graduate-college/policies-procedures.

UNI Equal Opportunity Policy

Purpose

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

Policy Statement

The University has established its equal opportunity policy as follows:

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 seeks to prohibit discrimination and to promote affirmative action in its educational and employment policies and practices.

(Office of Compliance and Equity Management, Approved 03/02)

(President's Cabinet, Approved 04/01/02)

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 and Harassment Policy

Purpose

To provide guidelines regarding discrimination and harassment applicable to the entire University.

Policy Statement

It is the policy of the University of Northern Iowa that there will be equal employment and educational opportunity without regard to age, color, creed, disability, gender identity, national origin, race, religion, sex, sexual orientation, veteran status, or any other basis protected by federal and/or state law. This includes the provision of a campus environment that is free from illegal discrimination and harassment. The University will not tolerate any form of illegal discrimination or harassment and will not condone any actions or words that constitute such.

All members of the University community are accountable for compliance with this policy. The University is committed to eliminating illegal discrimination and harassment, wherever they occur in the University community, by taking corrective action as a result of violations of this policy. Violations may lead to disciplinary action up to and including separation from the University.

Discrimination

Discrimination occurs when an individual is treated adversely because of that individual's membership in one of the legally protected groups listed above.

Harassment

Harassment occurs when unwelcome conduct based on an individual's membership in a protected group unreasonably interferes with the individual's work or academic environment.

Sexual Harassment

Sexual harassment occurs when an individual is subjected to unwelcome sexual advances, unwelcome requests for sexual favors, or other unwelcome verbal or physical conduct of a sexual nature when:

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1. Submission to such conduct is made explicitly or implicitly a term or condition of an individual's employment or academic standing;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment decisions or academic decisions affecting the individual; or
3. Such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive working, academic, or social environment.

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. Further, the individual with the power in the relationship will bear the burden of responsibility should a complaint of sexual harassment be filed. 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.

Confidentiality

Complaints of discrimination or harassment filed with the University will be treated with the utmost privacy possible to the extent allowed by law, while also assuring a complete investigation. University personnel involved in or responsible for any aspect of a complaint shall maintain such confidentiality throughout the processing of the complaint.

Should the complainant publicly discuss the complaint, the University shall be relieved of its confidentiality obligations related to the disclosed information under this policy.

Retaliation

The University seeks to create an environment where its students and employees are free, without fear of reprisal, to use these procedures to determine if there has been a violation of their civil rights. Any act of retaliation will result in appropriate disciplinary action. Similarly, persons who use this process to bring frivolous or otherwise bad faith allegations against an employee shall be subject to disciplinary action.

Reporting Responsibilities

All University employees in a supervisory capacity are required to report to the Office of Compliance and Equity Management any allegation of discrimination and/or harassment of which they are made aware. The confidentiality of all parties will be honored to the extent legally allowed and which provides for an appropriate investigation. Persons seeking information or guidance concerning potential discrimination or harassment allegations are advised that the University may need to take action once it is informed of an allegation whether or not the person wants to pursue a complaint.

Non-supervisory employees are strongly encouraged to report allegations of discrimination and/or harassment to any supervisor or directly to the Office of Compliance and Equity Management.

Disabilities

In order to receive assistance with requests for accommodations, a student with a disability must contact the Office of Student Disability Services. An employee with a disability who wishes to request an accommodation should contact his/her supervisor or the coordinator of employee disability services located in Human Resource Services. A visitor with a disability who wishes to request an accommodation

should contact Human Resource Services. If an employee or student feels his/her rights under the Rehabilitation Act of 1973 and/or the Americans with Disabilities Act of 1990 have been violated, they may consult with the Office of Compliance and Equity Management and/or utilize the following procedures.

Procedure for Resolution

An allegation of discrimination and/or harassment against a University employee, vendor, or other third party should be addressed to the Office of Compliance and Equity Management. An allegation against a student should be reported to the Dean of Students and will be resolved through student conduct procedures.

Except in cases involving criminal activity and/or sexual assault, an employee or student alleging discrimination and/or harassment under this policy is encouraged to discuss the allegation with the head of the department in which the alleged discrimination and/or harassment occurred. The department head will then consult with the Office of Compliance and Equity Management to determine an appropriate course of action. If it is determined to be 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 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, the individual is strongly encouraged to file a report with UNI Police. Such reports will not be handled informally within the department.

The Office of Compliance and Equity Management will provide a complaint form, which the complainant will then complete and return. The complaint will describe the alleged discrimination and/or harassment, the specific type of discrimination and/or harassment being alleged, and name of person(s) against whom the complaint is being filed.

The Office of Compliance and Equity Management will acknowledge the receipt of the complaint in writing and will also notify in writing the following parties: the accused person and his/her department head/director, dean, vice president, and the president. When deemed appropriate by the Office of Compliance and Equity Management, the complainant is given the option to resolve the complaint through mediation rather than investigation. Only if both the complainant and accused agree to mediation will that option be utilized. In the event that either party declines mediation, the Office of Compliance and Equity Management will conduct an investigation of the alleged discrimination and/or harassment charges. Cases of sexual harassment will generally not be considered for mediation.

Following is the process for the investigation of complaints which have not been resolved through mediation:

A person designated by the Office of Compliance and Equity Management will initiate an investigation into the allegations. A typical investigation will involve meeting with the person filing the complaint, the person(s) named in the complaint, and with other persons who may have knowledge relevant to the investigation.

The Assistant to the President for Compliance and Equity Management will receive a report of the investigation from the designated investigator. S/he will render a finding of sufficient or insufficient evidence that this policy has been violated. This determination will be based upon the evidence obtained as a result of the investigation process. The complainant and the accused will be notified of the finding in writing. The accused person's department

head/director, dean, vice president, and the president will also be notified.

In the event that there is a finding of a violation of University policy, the vice president of the accused will determine appropriate disciplinary sanctions based on the recommendation from the Office of Compliance and Equity Management, and will notify in writing the accused and the Office of Compliance and Equity Management of his/her decision. This written decision must be issued within fifteen working days of the date of the notice from the Office of Compliance and Equity Management. If the vice president serves as a party or witness in an investigation, the notice will be sent to the president for determination of disciplinary sanctions. This is the conclusion of the internal procedures under this policy.

(Office of Compliance and Equity Management, Approved 03/02, Amended 06/07, Amended 02/09)

(President's Cabinet, Approved 04/01/02, Amended 06/07, Amended 02/09)

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

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, 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**

Undergraduate Information and Degree Requirements

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*

a. Life Sciences - 3 hrs.

b. Physical Sciences - 3 hrs.

ii *Category 5. Social Science*

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

b. 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 92 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 92 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.

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

The A.A. degree from all Iowa community colleges fulfills the majority of the Liberal Arts requirements at UNI. 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.

When offered on-site, the second two years are taught by UNI faculty through a mix of delivery systems including on-site classes, classes over the Iowa Communication Network, or web-based course work. All 2+2 programs offer the same classes as programs offered on the UNI campus.

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 \$4,000 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 \$4,000 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 \$4,000 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

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
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).

Undergraduate Information and Degree Requirements

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 and Evolution Emphasis
- Biology: Biomedical Emphasis
- Chemistry
- Chemistry-Marketing
- Communication
- Communication/Electronic Media
- Communication/Public Relations
- Communicative 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
- 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
- Sociology
- Spanish
- 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 on this program 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 for the 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 must 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) or INSTTECH 1031 (240:031)	Secondary Educational Technology and Design Educational Technology and Design	2-3
TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application **	3
Level I		
EDPSYCH 2017 (200:017)	Field Experience: Exploring Teaching	1
EDPSYCH 2030 (200:030)	Dynamics of Human Development	3
Level II ***		
EDPSYCH 3128 (200:128)	Field Experience: Teacher as Change Agent (must be taken at UNI)	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	

Undergraduate Information and Degree Requirements

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, have completed Level II, 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 modern language may be required to complete INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031), depending upon the new major.

Admission to the Teacher Education Program

To be admitted to the Teacher Education Program, a student must fulfill the following requirements prior to registration for Level II courses:

1. declare a teaching major;
2. earn at least 24 semester hours of credit;
3. earn at least a 2.50 cumulative GPA;
4. file an acceptable Application for Admission to Teacher Education (available: SEC 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)**;
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 Director of Teacher Education 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
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. The professional laboratory 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 Program 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 must 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*;
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, effective January 1, 2009, 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 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:

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 Standards for the 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)
- Technology Education
- TESOL/Modern Language

Minors

- Basic Science (K-8)
- Biology
- Chemistry
- Coaching
- Communication-Theatre
- Early Childhood Special Education
- Earth Science
- English
- Health Education
- History
- Instructional Strategist I: Mild/Moderate K-8
- Instructional Strategist I: Mild/Moderate 5-12
- Instructional Strategist II: Mental Disabilities K-12
- 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 artists-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 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 I in Theory, Aural Training, and Sight Singing. The music faculty

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will evaluate the performance in these areas to determine School of Music admissibility for each transfer student.

Participation in a performance organization 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

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.

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 numbered 000-099* are open primarily to freshmen and sophomores. Courses numbered 100-199* are open primarily to juniors and seniors.

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

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 3

Select one of the following:

UNIV 1059 First Year Cornerstone *

ENGLISH 1005 College Writing and Research
(620:005) **

ENGLISH 2015 Craft of Academic Writing ***
(620:015)

ENGLISH 2120 Critical Writing About
(620:034) Literature ^

B. Speaking and Listening # 3

UNIV 1059 First Year Cornerstone *

COMM 1000 Oral Communication
(48C:001)

Or two courses distributed as follows:

COMM 2255 Public Speaking
(48C:071)

or COMM 2256 Oral Interpretation: Texts in Performance
(48C:011)

or COMM 2257 Argumentation and Debate
(48C:074)

AND

COMM 1205 Group Communication Skills
(48C:031)

or COMM 2344 Interpersonal Communication
(48C:004)

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C. Quantitative Techniques and Understanding ^{##} 3

Select one of the following:

MATH 1100 Mathematics in Decision
(800:023) Making

MATH 1420 Calculus I
(800:060)

STAT 1772 Introduction to Statistical
(800:072) Methods

STAT 1774 Introductory Statistics for Life
(800:064) Sciences

CS 1025 (810:025) Computational Modeling and
Simulation

Elementary Education students may meet the
Category 1C requirement by completing MATH
1201 (800:031).

D. Personal Wellness 3

HPELS 1010 Personal Wellness
(440:010)

Total Hours 12

* This course will be taught in 2-semester increments and a student must complete both semesters or will not apply to LAC 1A and 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 Humanities I: The Ancient,
(680:021) Classical, and Medieval
Worlds

HUM 1022 Humanities II: The
(680:022) Renaissance, Reformation,
and Enlightenment

HUM 1023 Humanities III: The Age of
(680:023) Revolution to the Present

B. Non-Western Cultures 3

HUM 3121 Russia/Soviet Union
(680:121)

HUM 3122 Japan
(680:122)

HUM 3123 Latin America
(680:123)

HUM 3124 China
(680:124)

HUM 3125 India
(680:125)

HUM 3127 Middle East
(680:127)

HUM 3128 Africa
(680:128)

HUM/ANTH 3132 Native North America

HUM/ANTH 3137 Native Central and South
America

SPAN 3020 (780:120) may substitute for the non-
Western Cultures requirement.

Total Hours 9

* SPAN 3020 (780:120) may substitute for the Non-Western Cultures requirement.

Category 3: Fine Arts, Literature, Philosophy and Religion 6 hours

Courses in this category explore diverse forms of human expression and enhance understanding of how religious, philosophical, literary, and aesthetic ideas and experiences shape and reflect cultures and common patterns of human life. Students will develop knowledge of the complex interplay of culture, history, and human experience through critical examination of ideas and beliefs, ritual and symbol, moral codes and social values, story and poetry, visual art, music, theater, and dance.

A. Fine Arts * 3

PEMES 2034 Survey of Dance History
(420:034)

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

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

ART 1002 Visual Inventions
(600:002)

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 Introduction to Literature
(620:031)

RELS 1020 Religions of the World
(640:024)

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

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

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

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

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

Total Hours 6

Category 4: Natural Science and Technology 7 hours

Courses in natural science promote an understanding of science as a human process that investigates matter and energy acting within complex organic and inorganic systems. Fundamental principles of both physical and life sciences are included.

Students are required to take a course with a scheduled laboratory from either Life Sciences or Physical Sciences or another laboratory course offered by the College 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 -
(840:015) Lab *

BIOL 1033 Principles of Microbiology *
(840:033)

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

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

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
(870:022) Laboratory *

EARTHSCI 1300 Introduction to Geology *
(870:031)

EARTHSCI 3328 Fossils and Evolution
(870:125)

GEOG 1210 Physical Geography **
(970:026)

PHYSICS 1000 Physics in Everyday Life
(880:012)

PHYSICS 1400 Conceptual Physics *
(880:011)

PHYSICS 1511 General Physics I *
(880:054)

PHYSICS 1701 Physics I for Science and
(880:130) Engineering *

SCI ED 1100 Inquiry into Earth and Space
(820:033) Science *

SCI ED 1300 Inquiry into Physical Science *
(820:031)

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 perspectives, ranging from the societal and cultural to the institutional, individual, and topical viewpoints. Students are exposed to the diversity of sociocultural systems created by human beings during their evolutionary development, and examine the manner in which behavior is influenced by environmental, sociocultural, psychological, and historical processes.

Required: one course from group A, one course from group B, and one course from group A, B, or C. (Students cannot count both GEOG 1120 (970:010) and GEOG 1110 (970:040) toward the Liberal Arts Core.)

A. Group A Sociocultural and Historical Perspectives 3

ANTH 1002 Culture, Nature, and Society
(990:011)

GEOG 1110 World Geography
(970:040)

GEOG 1120 Human Geography
(970:010)

SOC 1000 (980:001) Introduction to Sociology

SOC SCI 1023 American Civilization
(900:023)

WGS 1040 Women's and Gender Studies:
(680:040) Introduction

B. Group B Individual and Institutional Perspectives 3

ECON 1031 Introduction to Economics *
(920:024)

FAM SERV 1010 Human Identity and
(31F:010) Relationships

POL AMER 1014 Introduction to American
(942:014) Politics

POL INTL 1024 International Relations
(943:024)

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PSYCH 1001 (400:001)	Introduction to Psychology	
C. Group C Topical Perspectives		3
EDPSYCH 2030 (200:030)	Dynamics of Human Development	
POL GEN 1020 (940:020)	Contemporary Political Problems	
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/vpaa/lac.

Administrative Policies:

1. Liberal Arts Core courses may be used to satisfy requirements for both the Liberal Arts Core and the major, minor, and program emphases.
2. Departments offering a Liberal Arts Core course may preclude their major or minor students from taking that particular course to satisfy the requirements for the Liberal Arts Core, the major, or the minor.
3. Liberal Arts Core requirements can be met through CLEP examinations, departmental examinations, and the Advanced Placement Program of the College Entrance Examination Board. A student who receives CLEP credit in both the physical and biological sciences shall be considered to have fulfilled the laboratory requirement.
4. No Liberal Arts Core course may be taken for graduate credit.
5. No Liberal Arts Core course may have a non-Liberal Arts Core course as a prerequisite.
6. All courses taken to meet Liberal Arts Core requirements must be taken for graded credit.
7. The Associate of Arts degree from Iowa community colleges shall continue to be accepted, according to an approved articulation agreement, to meet most Liberal Arts Core requirements.
8. The Liberal Arts Core requirements apply to all undergraduate degree programs.
9. Regents Articulation Agreement:

The University of Northern Iowa, the College of Liberal Arts at the University of Iowa, and the College of Liberal Arts and Sciences at Iowa State University agree to accept fulfillment of the Liberal Arts Core at any one of them as equivalent to completion of Liberal Arts Core requirements at another, with the following stipulations:

- A. This agreement does not apply to those students who transfer without having fully completed the Liberal Arts Core prior to transfer.
- B. Validation of fulfillment of Liberal Arts Core requirements requires that a student transferring must have met the transfer requirements of the receiving institution with respect to semester hours and grade point average.
- C. When a foreign language proficiency, a capstone course, and/or a course in foreign culture is required, whether within or in addition to the Liberal Arts Core, a student may meet this requirement at either institution regardless of the institution whose Liberal Arts Core requirements the student fulfills.
- D. Liberal Arts Core validation is the responsibility of the student transferring and will be completed upon request to the Registrar of the institution from which the student is transferring.

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For further information concerning requirements for these certificates see specific departmental listings, or consult with the department listed or the Office of the Registrar, which serves as the centralized registry. Some of the certificates are interdisciplinary and involve several departments; however, only one department or college has been listed as the contact.

Program certificates now available include:

Department of Computer Science

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

Department of Curriculum and Instruction

- Instructional Technology Facilitator Certificate

Department of Educational Leadership and Postsecondary Education

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

Department of Finance

- Financial Analysis Certificate

Department of Geography

- Certificate in Cartography and Geographic Information Systems (GIS)

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
- Certificate in Translation: Spanish

Department of Marketing

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

Department of Mathematics

- Certificate in Continuous Quality Improvement

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

- Social Work Certificate
- Substance Abuse Counseling Certificate

Department of Sociology, Anthropology, and Criminology

- Certificate in Crime Mapping and Analysis
- 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

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. 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 36 weeks spent in residence *at this university* while earning in such residence 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.
4. The last semester or full summer session before graduation spent in residence at this university.

B. Scholarship

1. A student seeking the bachelor's degree with licensure to teach must successfully complete student teaching and achieve a cumulative grade index in all course work attempted, at this university and elsewhere, of at least 2.50 to be recommended for graduation. The student must also achieve a cumulative grade index of 2.50 on all work attempted at the University of Northern Iowa.
2. A student seeking the bachelor's degree (without licensure) must achieve a cumulative grade index in all work attempted, at this university and elsewhere, of at least 2.00 to be recommended for graduation; the student must also achieve a cumulative grade index of 2.00 on all work attempted at the University of Northern Iowa.

Note: A student may be held by 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.

Undergraduate Information and Degree Requirements

C. Communication

Competence in reading, speaking, and writing is required of all candidates seeking degrees or university recommendations for licensure. All students who enter UNI with or after the Fall 1988 semester who are candidates for baccalaureate degrees are required to demonstrate competence in writing by passing the Liberal Arts Core writing course and meeting the writing requirements for their academic major.

D. Foreign Language Competency Requirement

Students entering UNI who graduated from high school in 1989 or thereafter are required to demonstrate a level of competence in a foreign language (classical or modern) equivalent to that achieved after the second semester at the college level. One year of foreign language in high school is considered to be equivalent to one semester of foreign language at the university.

The foreign language competency requirement can be satisfied in the following ways:

1. satisfactory* completion of two years of high school study in one foreign language;
2. satisfactory* completion of a combination of high school and college study in one language equivalent to the competence achieved after the second semester at the college level;
3. satisfactory performance in an achievement examination measuring proficiency equivalent to that attained after the second semester of college study in one foreign language.
4. satisfactory* completion of either two years of high school study or one year of college study or the combined equivalent in American Sign Language (ASL). Study in any other language and culture for the hearing impaired will not automatically satisfy this graduation requirement.

* Satisfactory completion means a minimum grade of C- in the last course taken to meet this requirement.

E. Advanced Courses

At least 10 hours of work in a major in courses numbered 100-199* and taken at this university.

* See course descriptions for 4-digit numbers (to be 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.

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)

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 teaching 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

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. Four intensive study areas are available through this Doctor of Education degree program: allied health, recreation, and community services; curriculum and instruction; educational leadership; and special education.

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.)**, 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 students whose career interests are in the fields of business - those already working in the general community, as well as students who have not yet entered their major

career field. 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 and Biology 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, 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 if they satisfy the requirements for admission to graduate study.

Graduate Credit for Undergraduate Students

An undergraduate student of senior standing (90 or more credits earned) at the time of registration, earning the first bachelors degree, and with a cumulative GPA of at least 3.00, may register for a maximum of 12 credit hours for graduate credit. Such registration requires approval on a student request form (available at <http://access.uni.edu/forms/index.shtml> 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.

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.

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 the Registrar. 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 one of these classifications. They must be admitted either to graduate Degree or Non-Degree Status before they can receive graduate credit for their course work (courses numbered 100g or 200/6000-level; see course description section for 4-digit numbering for 100g-level courses). **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.**

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. Applications can be obtained and completed online 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 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 or designee.

If applicants wish to have graduate level **transfer courses** considered for their graduate degree at UNI, official transcripts must be submitted to the UNI Office of Admissions at the time of admission to graduate study. A Graduate Credit Transfer Evaluation form is also required for each course the student wishes to submit for transfer - this form can be found at <https://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.

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 apply credit earned toward a graduate program.*

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 registration.

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**

Graduate Information, Admission, Academic Regulations, and Degree Requirements

the fullest consideration must submit a completed application (please see following requirements) by February 1. Many graduate departments have earlier deadlines, which are indicated in their department materials. All departmental materials should be reviewed carefully for information about early deadlines.

U.S. students must submit the following to the Office of Admissions for the admission file to be considered complete: the Application for Admission to Graduate Study; the application fee; official transcripts from the college or university granting the baccalaureate degree and any other colleges or universities attended after earning the bachelor's degree, if other than the University of Northern Iowa; and any required test scores (GRE, GMAT). Departments may require additional application materials (departmental application, letters of reference, goal statement, application for assistantship and/or tuition scholarship, etc.). U.S. students should contact the department for this information and submit these items directly to the department.

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

Requests 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 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 or designee. 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.**

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 agencies **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 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.

Additional admission requirements (e.g., departmental application, letters of reference, goal statement, etc.) may be established by departments. Students should contact the department for this information.

Students will be admitted to **Degree Status** on one of two bases:

1. **Unconditional Status**

The minimum undergraduate grade point average, or prior graduate degree grade point average, 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, have submitted all official transcripts, and are deemed qualified by academic departments 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 (with an undergraduate and prior graduate GPA less than 3.00) 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 in writing upon admission 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 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 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).

Requirements for Admission to Non-Degree Status

Non-Degree Status has been established for the post-baccalaureate student who:

1. wishes to take 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 an accredited college or university. 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 if non-degree status.

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.**

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.

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 designed to contribute to the student's graduate education.

A full assistantship for a semester carries a stipend paid in equal installments over a 5-month period. Half-assistantship stipends 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.

Graduate students receiving an assistantship stipend 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. However, students receiving an assistantship stipend cannot be otherwise employed on campus, except as an hourly student employee outside of the department or area of the assistantship.

To be eligible, graduate students must have a minimum 3.00 GPA. 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 assistantship stipends must be enrolled full-time (9+ graduate hours to a maximum of 15 hours per semester) in courses applying to their degree. Once students have completed their degree credit hours, the graduate assistantship expires, even if students are taking additional classes. The assistantship does not support students beyond degree completion.

Assistantship application forms may be obtained from the department in which the student is applying for an assistantship. **Applications should be filed by February 1 with the department.**

Recommendations for awarding assistantship stipends are made by the department head or designee who forwards those to be recommended to the Graduate College. Graduate assistantship stipends are awarded 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 have Degree Status and must have a minimum 3.00 GPA. 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 to a maximum of 15 hours per semester) in courses applying to their degree. Full or half tuition scholarships are available. Once students have completed their degree credit hours, the tuition

Graduate Information, Admission, Academic Regulations, and Degree Requirements

scholarship expires, even if students are taking additional classes. The scholarship does not support students beyond degree completion.

Scholarship application forms may be obtained from the department office in which the student is applying for a scholarship. **Applications should be filed by February 1 with the department.**

Some university departments offer scholarships for graduate study. Students should obtain information about these awards from the departments in which they intend to do graduate work.

Schedule of Fees

Refer to this University Catalog for further details.

Student Life

Refer to this University Catalog for further details.

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 programs of study (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 graduate student requests online through MyUNiverse.** For graduate students the link to the student request system is located on the MyUNiverse Student Center tab, 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.

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 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 in the 100(g)/5000 series and 200/6000 series. **A graduate student may take courses in the 100 series (without g) or below (0000-4999) for undergraduate credit, but such courses do not carry graduate credit and may not be used on a graduate degree.** However,

all courses graduate or undergraduate, taken as a graduate student, count in determining the cumulative grade point average, except approved non-graded graduate course work.

3. Continuous registration

Graduate students who have completed all of their program courses 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 xxx:29C/xxxx 629C, Continuous Graduate Student (xxx/xxxx refers to the student's major department), 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.

Program of Study (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 their 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 all 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 program 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. The original grade for any repeated course will be included in computation for the Plan GPA, as well as in the overall cumulative GPA. 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. Courses taken for undergraduate credit are also included in the 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 graduate degree is seven years from the earliest course applied to the degree. Courses taken more than seven years 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, 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. Nongraded credit

Up to 3 credit hours of graduate nongraded course work may be applied to the degree. Exceptions are practica, internships, 299/6299 and 399/7399 Research and xxx:29R/629R Directed Research.

4. Credit from Other Institutions

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 doctoral programs may allow a smaller fraction of transfer hours. Transfer credit is not processed for students in non-degree status. **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). Transfer courses *taken after degree admission* will not be processed or approved for inclusion in the program of study until official transcripts for these courses are filed with the Office of Admissions, and a Graduate Transfer Evaluation form is completed (available on MyUNIverse at <https://access.uni.edu/forms/index.shtml#G>). 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. *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.

After a course has been ruled eligible for graduate transfer credit by the Office of Admissions, the student may submit an online Student Request to transfer the course and use it on the graduate degree. Credits not needed to meet degree requirements will not be transferred. Application of eligible transfer courses to the UNI degree program requires approval by the program. 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.

5. Correspondence credit

Correspondence courses (specified as Guided Independent Study 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 100g/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. The combination of transfer credit and correspondence credit cannot exceed one-third of a program of study.

6. 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.

7. Residence

At least two-thirds of the minimum hours required for a particular master, specialist or doctor of education degree program must be taken with members of the UNI graduate faculty. The Doctor of Technology degree program has a different residence requirement. 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.

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.

8. Policies Regarding Course Grades of Incomplete

Work reported as *Incomplete (I)* in the fall session for graduate students must be completed by June 1 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 by the Dean of the Graduate College (or designee). Requests for exceptions must be submitted online at MyUNIverse (see Filing Graduate Student Requests).

Graduate Probation and Suspension - Degree Status Students

Graduate students on 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, B, C, D, F, W, I, RC, CR, NC) or for which the term of the course has 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. Students placed on academic suspension cannot enroll in non-degree graduate status or take courses for the student's degree during the year of academic 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 Study and receive approval from the graduate program/department and the Graduate College for reinstatement and removal from suspension. The Application for

Readmission to Graduate Study is not available online. It may only be obtained from the Graduate College.

A student reinstated after suspension who fails to attain a GPA of 3.00 after the first enrollment period will be permanently suspended from the graduate program.

In determining a graduate student's grade index, 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 index.**

If a student feels there has been some procedural irregularity concerning her/his suspension from the university, the student may request a review by the Graduate College. This review may be conducted by the Dean of the Graduate College (or her/his designee).

Graduate Probation and Suspension - Non Degree Status Student

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 program of study, 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 her/his 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.

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

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
SOCFOUND 6234 (260:234)	Philosophy of Education	3
MEASRES 6205 (250:205)	Educational Research	3

Master of Arts

Professional Core A-
Required only by certain majors.

Master of Music

No core required.

Professional Science Master’s

No core required.

Master of Science

No core required.

8. Application for graduation

It is the student’s responsibility to make a timely application to graduate during the term the final degree requirements are completed. Application for graduation must be completed online through MyUNiverse Student Center. Paper applications are no longer accepted. A non-refundable graduation fee is charged each term a student applies to graduate. **To avoid paying a late application fee, an application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students’ names can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial late application fee will be charged in addition to the normal graduation fee, and their names might not be included in the commencement publication. **Applications submitted after the end of the term will generally not be processed for degree conferral for the term just past.**

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

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Spring or Fall commencement as indicated below. Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

- A. Spring graduate degree candidates must submit their application by April 1.
- B. Fall graduate degree candidates must submit their application by November 10.
- C. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the appropriate paragraph immediately below:

Summer Graduation - Master’s and Specialist Degree Students: Students who will complete their degree requirements in summer, and who apply by April 1 for summer graduation (degree conferral), are eligible to participate in Spring commencement. Students who will complete their degree requirements in summer and who apply after April 1 for summer graduation (degree conferral) are only eligible to participate in Fall commencement.

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 end of classes of the spring term.

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 Accounting

No core required. **Master of Arts in Education**

EDPSYCH 6214	Foundations of Instructional Psychology	3
(200:214)		
SOCFOUND 6234	Philosophy of Education	3
(260:234)		
MEASRES 6205	Educational Research	3
(250:205)		

Master of Arts

Professional Core A- Required only by certain majors.

Master of Business Administration

No core required.

Master of Music

No core required.

Master of Public Policy

No core required.

Master of Science

No core required.

Master of Social Work

No core required.

Professional Science Master’s

No core required.

Professional Core A

Prerequisite: teacher licensure or equivalent)

EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
SOCFOUND 6234 (260:234)	Philosophy of Education	3
MEASRES 6205 (250:205)	Educational Research	3

A course in curriculum or methods of instruction in the major field or any additional course numbered 200/600-level from courses in the EDPSYCH xxxx (200:xxx), ELEMECML xxxx (210:xxx), SPED xxxx (220:xxx), LITED xxxx (230:xxx), INSTTECH xxxx (240:xxx), MEASRES xxxx (250:xxx), SOCFOUND xxxx (260:xxx), EDLEAD xxxx (270:xxx), TEACHING xxxx (280:xxx) series.

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 end of classes of the spring term.

8. Application for graduation

It is the student’s responsibility to make a timely application to graduate during the term the final degree requirements are completed. Application for graduation must be completed online through MyUNiverse Student Center. Paper applications are no longer accepted. A non-refundable graduation fee is charged each term a student applies to graduate. **To avoid paying a late application fee, an application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students’ names can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial late application fee will be charged in addition to the normal graduation fee, and their names might not be included in the commencement publication. **Applications submitted after the end of the term will generally not be processed for degree conferral for the term just past.**

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

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Spring or Fall commencement as indicated below. Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

- A. Spring graduate degree candidates must submit their application by April 1.
- B. Fall graduate degree candidates must submit their application by November 10.
- C. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the appropriate paragraph immediately below:

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 xxx:299/6299 Research 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 in the departmental office.

Research carries residence credit and may be pursued either on or off campus, but **not** in an extension class. There is no prerequisite, although it is strongly recommended that 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 <http://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 (<http://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 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 in the program of study. 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 her/his 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 program of study 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. 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 project 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.

F. Filing of thesis

Students must present two copies of the thesis in final form, either originals or photocopies, to the Graduate College no later than six weeks before graduation. **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 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 suitable for microfilming, with uniform darkness, and a sharp imprint.

When the thesis is submitted to the Graduate College, a charge will be put on the student's bill for the cost of the thesis binding. 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.

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

G. Filing of abstract of thesis

An abstract or summary of the thesis is required of all students following the thesis plan toward the master's degree. The abstract will be approximately 350 words in length and is submitted with the thesis. **Three copies of the abstract must be filed in the Graduate College.**

Summary of Hour Requirements

A summary of the hour requirements for both the thesis and the non-thesis plans is listed below. **Additional hours may be required by departments for individuals on specific programs or special objectives.**

Thesis

Minimum graduate hours required *	30
Minimum hours of credit at UNI	20
Maximum usable hours in transfer and correspondence** credit combined ***	10

Maximum usable hours of correspondence** credit (requires Graduate College preapproval)	3
Maximum usable hours of workshop credit	6
Minimum hours required in courses numbered 200/6000 and above at UNI †	15

- * Includes 6 to 9 hours for research (xxx:299/6299), depending on the master’s program.
- ** 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	20
Maximum usable hours of correspondence** credit combined ***	10
Maximum usable hours in transfer correspondence** credit (requires Graduate College preapproval)	3
Maximum usable hours of workshop credit	6
Minimum hours required in courses numbered 200/6000 and above at UNI †	12

- * Includes at least one research 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 from the first degree may be used for the second degree.** All university graduation requirements including completion of 200/6000-level course work, separate master’s project/thesis, comprehensives, and all other specific requirements shall be met for the second degree in addition to the first degree.

Interdisciplinary Master’s Degree

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

Master’s Degree Concurrent With or After a Doctoral Degree

A maximum of six hours of graduate credit applied to meet the requirements of a doctoral degree may be applied to both the doctoral degree and an additional graduate degree beyond a first Master’s degree. No course may apply to both the first Master’s degree and a doctoral degree. No course may be applied to more than two 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 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 lower limits.

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 contact the Department of Accounting for any other admission 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 contact the appropriate department for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

The Master of Arts program is a highly flexible one. The plan of study prescribed for each student depends upon the student’s undergraduate preparation, experience, and future plans. The needs of the student, as determined by the student and her/his advisor and departmental committee, are the guiding factors in course selection. It should be stressed, however, that regardless of the plan of study followed, graduate work leading to the degree of Master of Arts should constitute a cohesive, logically planned program, not merely an accumulation of credit in a variety of courses. On most programs both the thesis and the non-thesis plans are available.

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.

A number of curricula lead to the degree of Master of Arts. Programs are available for advanced preparation of elementary and secondary teachers, for college teaching, and for graduate study without reference to teaching. The following majors are offered:

- Art Education
- Communication Studies
- Counseling

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- Curriculum and Instruction: Instructional Technology
- English
- Geography
- Health Education
- History
- Leisure Services-Youth and Human Services
- Mathematics
- Mathematics for the Middle Grades (4-8)
- Music
- Performance and Training Technology
- Philanthropy and Nonprofit Development
- Physical Education
- Psychology
- School Library Studies
- Science Education
- Social Science
- Spanish
- Speech-Language Pathology
- Teaching English in Secondary Schools
- Teaching English to Speakers of Other Languages (TESOL)
- TESOL/Modern Languages
- Women's and Gender Studies

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 contact the appropriate department for any other admission 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. Two plans of study leading to the degree of Master of Arts in Education are available: one plan requires the writing of a thesis; the other does not.

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.

Although a special curriculum is not available for supervisors of student teaching, a student can arrange a program to qualify for such a position.

The following majors are offered:

Department of Curriculum and Instruction

- Curriculum and Instruction: *Specialty Area Focus*
 - Curriculum and Instruction: Early Childhood Education
 - Curriculum and Instruction: Elementary Education
 - Curriculum and Instruction: Literacy Education

Department of Educational Leadership and Postsecondary Education

- Postsecondary Education: Student Affairs
- Principalship

Department of Educational Psychology and Foundations

- Educational Psychology
- 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 contact the College of Business Administration for any other admission 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 on 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.

Master of Music Degree

Students interested in the Master of Music degree must submit a completed Application for Admission to Graduate Study and should contact the School of Music for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

Students wishing to take a course for graduate credit in the School of Music or wishing to pursue a degree program in this department must consult with the Associate Director for Graduate Studies in Music prior to registration for the course. Detailed information concerning requirements and procedures will be provided, and specific evidence of previous accomplishments will be reviewed.

The Master of Music degree is a professional degree designed to prepare the graduate for:

1. enhanced opportunity in public and private school music teaching,
2. a college teaching career,
3. a performance career as a professional musician or composer, or
4. further graduate work at the doctoral level.

The following majors are offered:

- Composition

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

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

- performance
- theory-composition
- conducting
- music education
- or 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.

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 contact the Public Policy program for other admission 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, economics, and history 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.

Focus courses allow students to develop an understanding of a particular substantive or methodological area of policy analysis. Continuing participation in seminars allows discussion of current practice and development, provides a forum for on-going discussion, and includes philosophical orientation to the ethical questions which arise in policy contexts. An internship with a public policy organization introduces students to the professional environment and allows application of 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

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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 Public Policy 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 contact the appropriate department for any other admission 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
- Biology

Master of Social Work Degree

Students interested in the program must submit a completed Application for Admission to Graduate Study and should contact the Department of Social Work for any other admission 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 advanced micro 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 contact the appropriate department for any other admission 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
- Ecosystem Management
- Industrial 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 contact the Department of Educational Psychology and Foundations for any other admission 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 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

- A. Students must pass a comprehensive oral examination, including a defense of the thesis, if required.
- B. Students may be required by the departmental committee to pass a written comprehensive examination. If required, it should precede the oral examination.

6. Thesis

Students who did not complete a thesis for the master's degree must complete one for the specialist's degree. The department may require students who have written a master's thesis to write a thesis for the specialist's degree also. The thesis is to be prepared and submitted in accordance with the most current edition of the Graduate College *Thesis and Dissertation Manual* at <http://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 (<http://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 a 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. 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 project 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.

E. Filing of Thesis

Students must present two copies of the thesis in final form, either originals or photocopies, to the Graduate College no later than six weeks before graduation. 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 <http://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 suitable for microfilming, with uniform darkness, and a sharp imprint.

When a thesis is submitted to the Graduate College, a charge will be put on the student's bill for the cost of the thesis binding. Students will also indicate to the Office of the Graduate College the name and edition of the style manual used in preparing the thesis. Consult the *Thesis and Dissertation Manual* at <http://www.grad.uni.edu/thesis-dissertation> for the list of approved style manuals.

In addition to two copies for the Graduate College, the department requires copies. Students should check with the department awarding the degree regarding the number of additional copies required, as these vary.

F. Filing of Abstract of Thesis

An abstract or summary of the thesis is required of all students following the thesis plan toward the specialist's degree. The abstract will be approximately 350 words in length and is submitted with the thesis. **Three copies of the abstract must be filed in the Office of the Graduate College.**

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. Paper applications are no longer accepted. A non-refundable graduation fee is charged each term a student applies to graduate. **To avoid paying a late application fee, an application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students' names can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial late application fee will be charged in addition to the normal graduation fee, and their names might not be included in the commencement publication. **Applications submitted after the end of the term will generally not be processed for degree conferral for the term just past.** Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on a MyUNiverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application.

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Spring or Fall commencement as indicated below. Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

- A. Spring graduate degree candidates must submit their application by April 1.
- B. Fall graduate degree candidates must submit their application by November 10.
- C. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the appropriate paragraph immediately below:
 - Summer Graduation - Master's and Specialist Degree Students:** Students who will complete their degree requirements in summer, and who apply by April 1 for summer graduation (degree conferral), are eligible to participate in Spring commencement. Students who will complete their degree requirements in summer and who apply after April 1 for summer graduation (degree conferral) are only eligible to participate in Fall commencement.
 - 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 end of classes of the spring term.

Doctor of Education Degree

Students interested in the Doctor of Education degree must submit a completed Application for Admission to Graduate Study and should contact the appropriate department for any other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

This program is intended to provide practicing educators 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.** The Graduate Record Examination (General Test) is required for admission to the program in most intensive study areas. There are three components to the program:

Professional Common Core (work in educational foundations, fundamentals, and research)	15
Advanced Professional Study (in one of four areas of intensive study and a related area)	38
Dissertation	7
Total Hours	60

By design, then, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice. The four intensive study areas are:

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

(In some areas, it is possible to combine doctoral degree study with work toward an endorsement to perform a particular role in K-12 education.)

Brief definitions of the four areas are as 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, focus 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 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 and adult learners. (For more information, contact the Head, Department of Curriculum and Instruction.)

Educational Leadership

This area of intensive study involves the preparation of personnel for leadership roles in PK-12 schools, postsecondary institutions, and non-school educational settings. (For more information, contact the Head, Department of Educational Leadership, Counseling, and Postsecondary Education.)

Special Education

This area of intensive study is designed to provide students with a variety of leadership positions in public schools, higher education and human services agencies serving infants, children, youth and adults with disabilities. This program will center on preparing leaders who will be able to promote new meanings about diversity, develop inclusive school cultures and instructional programs, and forge productive relationships between schools and their communities.

(For more information, contact the Head, Department of Special Education.)

Specific program requirements are listed within each department (Department of Curriculum and Instruction; Department of Educational Leadership and Postsecondary Education; School of Health, Physical Education and Leisure Services; and Department of Special 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 regular admission.
3. **Examinations**

The following examination is required of students enrolled in the Doctor of Education program:

Graduate Record Examination

The Graduate Record Examination 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.

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 intensive study area department for complete application requirements.

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.

Graduate Information, Admission, Academic Regulations, and Degree Requirements

- 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.

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 regular 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 full admission, an advisor will be appointed for each student. In most instances, the advisor will be from the student's area of intensive study. Prior to the completion of 15 semester hours of course work toward the doctorate at the University of Northern Iowa, the student should meet with the advisor to discuss the coursework to be submitted for approval for application to their 38-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. See below for additional transfer credit policies.

A student can apply toward a doctorate a combined maximum of 15 hours of transfer credit **and a second or third master's, or specialist degree credit (maximum of 6 hours).**

A. Transfer credit

Usually a maximum of 15 hours of credit from regionally accredited graduate institutions may be applied toward meeting the minimum credit hour requirements for the Doctor of Education degree, subject to the transfer credit eligibility criteria and procedures under Common Regulations and Requirements for All Graduate Programs. Usually not more than 3 hours of acceptable transfer credit may be applied toward any given subcomponents of the *Professional Common Core*. **Hours that have been applied to meet the requirements of another degree cannot be transferred.**

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 or specialist's degree may be applied toward the doctorate, subject to the Recency of Credit regulation. These hours must be approved by the graduate coordinator of the Intensive Study Area and the Department Head.

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- may not 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 15-credit Professional Common core, the 38-credit Advanced Professional Study in one of four intensive study areas, but including a minimum of 6 hours outside the intensive study area, and a Dissertation of 7 credits.

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. Some intensive study areas may require more hours of 200/6000-level or 300/7000-level course work.

B. Research credit

Not more than 6 hours of research [INTDEPED 7399 (190:399) or a departmental 7399] may be applied to the minimum requirements for the degree. Master's-level Research courses xxx:299/6299 may not be applied to a doctoral degree. Directed Research xxx:29R/629R may be taken after all hours of INTDEPED 7399 (190:399) /7399 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 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**

See the Common Regulations and Requirements for All Graduate Programs.

4. **Examinations**

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

A. **Doctoral comprehensive examination**

The candidate requests permission to take the comprehensive examination through the Intensive Study Area office. Normally, such a request is made during the term prior to the administration of the comprehensive examination. The doctoral comprehensive examination is governed by the following conditions:

- i The candidate will have completed 80 percent of her/his program of study.
- ii The candidate will have satisfied the research proficiency requirement.
- iii The examination 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 190:300/7300, the post-comprehensive course registration number. Students who have completed their coursework, but have not yet passed the comprehensive examination, must be registered by the department in xxx:29C Continuous Graduate Student until they have met the enrollment criteria for 190:300/7300 Post-comprehensive Registration.

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, design, and methodology used in conducting the dissertation research.

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 <http://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 and some departments may require the person to be outside the college.

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 7 hours of credit. The first one hour will be INTDEPED 7389 (190:389) /7389 Dissertation Seminar. The remaining 6 hours will be INTDEPED 7399 (190:399) /7399 Research. 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) /7399 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.

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. 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 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. No dissertation will be accepted by the Graduate College for final approval without the completion of this preview.

E. **Oral Defense**

See 4b 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 early enough in the term to meet the Graduate College deadline for final submission.

F. Filing of Dissertation

The student must present four unbound copies of the dissertation in final form, either originals or photocopies, to the Graduate College no later than six weeks before graduation. Failure to meet this deadline will result in a delay in graduation. The requirements for the preparation and filing of the dissertation are set forth in the *Thesis and Dissertation Manual* <http://www.grad.uni.edu/thesis-dissertation>.

Three of the final copies submitted to the Graduate College must be on white, acid free, 24-pound, 25 percent or 100 percent cotton paper. The student may purchase the approved paper at Copyworks or an office supply store. The fourth final copy may be on regular printer paper. Final copies must be clean and suitable for microfilming, with uniform darkness and a sharp imprint.

When a dissertation is submitted to the Graduate College, dissertation fees will be put on the student's university bill (see Dissertation Fees below). Students will also indicate to the Graduate College the name and edition of the style manual used in preparing the dissertation. Consult the *Thesis and Dissertation Manual* <http://www.grad.uni.edu/thesis-dissertation> for the list of approved style manuals.

In addition to the four copies required by the Graduate College the department of the intensive study area requires copies. Students should check with their department, as the number varies.

G. Filing of Abstract of Dissertation

Three copies of an abstract of the dissertation must be filed in the Graduate College at the time of final deposit of the dissertation. Regulations for the dissertation also apply to the abstract. The abstract must not exceed 350 words in length. See the most current edition of *Thesis and Dissertation Manual* <http://www.grad.uni.edu/thesis-dissertation>, for details.

H. Publishing Agreement

A Publishing Microfilm Agreement and Survey of Earned Doctorates must be completed and returned to the Graduate College with the final dissertation. The fourth final copy of the dissertation, which may be on regular printer paper, must accompany the publishing agreement.

The University of Northern Iowa participates in a program sponsored by the Association of Research Libraries and conducted by University Microfilms, Ann Arbor, Michigan, for reproduction of doctoral dissertations on microfilm. If the dissertation has been copyrighted, this information must be included on the university agreement form.

I. Dissertation fees

Several fees are required in connection with the dissertation and will be put on the student's university bill when the dissertation is submitted; these include:

- i a binding fee for the library copies of the dissertation. If a student wishes to bind additional copies, individual arrangements with a binder must be made.
 - ii a publishing fee to cover the cost of digitizing the dissertation and publishing the abstract.
 - iii a copyright fee if the student wishes to have the dissertation copyrighted.
- Students should check with the Graduate College office for the amount of each of the above fees.

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. Paper applications are no longer accepted. A non-refundable graduation fee is charged each term a student applies to graduate. **To avoid paying a late application fee, an application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students' names can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial late application fee will be charged in addition to the normal graduation fee, and their names might not be included in the commencement publication. **Applications submitted after the end of the term will generally not be processed for degree conferral for the term just past.** Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on a MyUNiverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application.

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Spring or Fall commencement as indicated below. Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

- A. Spring graduate degree candidates must submit their application by April 1.
- B. Fall graduate degree candidates must submit their application by November 10.
- C. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the appropriate paragraph immediately below:
Summer Graduation - Master's and Specialist Degree Students: Students who will complete their degree requirements in summer, and who apply by April 1 for summer graduation (degree conferral), are eligible to

participate in Spring commencement. Students who will complete their degree requirements in summer and who apply after April 1 for summer graduation (degree conferral) are only eligible to participate in Fall commencement.

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 end 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.

Doctor of Technology Degree

Students interested in the Doctor of Technology degree must submit a completed Application for Admission to Graduate Study and should 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 University of Northern Iowa offers the Doctor of Technology degree to meet the increasing need for advanced degree work in this field. This may include 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 Doctor of Technology degree is designed to develop scholars in the fields of education and industry. Programs emphasize the development of a thorough knowledge of

1. 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.

Program emphasis is on providing the intellectual tools necessary to pursue scholarly research and applied practices in the fields of applied engineering and technology. Efforts will be made to develop in each student the interest and desire required for a leadership role in improving educational and industrial programs and determining directions for future programs. The 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.

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.

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 any accredited 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 a *degree status* or *provisional status* basis.

1. Degree Status Admission

- 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 nationally accredited institution or internationally reputable institution.
- B. Each 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 verbal, the 50th percentile in analytical writing, and the 50th percentile in quantitative sections for a full admission status. **The department will not be able to make an admission decision (degree status 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 a 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. Each 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.
- G. All applications for admission will be reviewed by the Department of Technology Graduate Programs Committee. The committee may recommend degree status admission only if the candidate meets all the above requirements.
- H. 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 the courses.

2. Provisional Degree Status

- A. *Provisional* degree status 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 *degree status* 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 appointed by the Graduate Dean in consultation with the Head of the Department of Technology. The student and the faculty advisor will be responsible for recommending members for appointment to the faculty advisory committee. The student should then specify in a letter to the Graduate Coordinator the rationale for each graduate faculty member recommended to serve on the committee. The committee

will consist of three members from the Department of Technology and two members from outside the department, one of whom will be a representative of the Graduate College assigned by the Graduate Dean. Eligible committee members from within the Department of Technology will serve as chair and co-chair. The five committee members must be members of the University of Northern Iowa Graduate Faculty. 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. Approval shall comprise a written petition submitted in the normal procedure. Non-faculty personnel will participate in all committee responsibilities except for signature decisions. Students must file a Committee Approval Form, available at www.grad.uni.edu/thesis-dissertation/thesis-dissertation-manual in the Graduate College to finalize the selection of advisory committee members. This advisory committee shall have the responsibility for the following:

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

All but one of the voting committee members must approve all actions of the committee.

Should it then 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 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 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 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 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

Dissertation Research credit [TECH 7399 (330:399)] of 12 semester hours will be granted for the successful completion of the dissertation.

Not more than 12 hours of research TECH 7399 (330:399) may be applied to the minimum requirements for the degree. Master's-level Research courses 6299 (xxx:299) may not be applied to a doctoral degree. Directed Research 629R (xxx: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. 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

The student must be enrolled in continuous, full-time study for one academic year. The student shall be enrolled for a minimum of 18 hours of credit which may be distributed across three semesters over two consecutive academic years. Persons serving as graduate assistants in the department will be considered full-time if they carry at least 9 hours per semester in addition to the assistantship. 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 (but prior to initiating the research activity for the dissertation). It should be prepared, administered, and evaluated by the candidate's faculty advisory committee upon completion of all course work, excluding D.T. internship and the D.T. dissertation research work in the program. 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 are 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 Head, 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, must be registered by the department for 629C (xxx:29C), Continuous Graduate Student, 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 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.

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. 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 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. No dissertation will be accepted by the Graduate College for final approval without the completion of this preview.

E. Oral Defense

See 5b 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.

F. Filing of Dissertation

The student must present four unbound copies of the dissertation in final form, either originals or photocopies, to the Graduate College no later than six weeks before graduation. Failure to meet this deadline will result in a delay in graduation. The requirements for the preparation and filing of the dissertation are set forth in the *Thesis and Dissertation Manual* www.grad.uni.edu/thesis-dissertation/thesis-dissertation-manual.

Three of the final copies submitted to the Graduate College must be on white, acid free, 24-pound, 25 percent or 100 percent cotton paper. The student may purchase the approved paper at Copyworks or an office supply store. The fourth final copy may be on regular printer paper. Final copies must be clean and suitable for microfilming, with uniform darkness and a sharp imprint.

When a dissertation is submitted to the Graduate College, dissertation fees will be put on the student's university bill (see Dissertation Fees below). Students will also indicate to the Graduate College the name and edition of the style manual used in preparing the dissertation. Consult the *Thesis and Dissertation Manual* <http://www.grad.uni.edu/thesis-dissertation> for the list of approved style manuals.

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

G. Filing of Abstract of Dissertation

Three copies of an abstract of the dissertation must be filed in the Graduate College at the time of final deposit of the dissertation. Regulations for the dissertation also apply to the abstract. The abstract must not exceed 350

words in length. See the most current edition of *Thesis and Dissertation Manual* www.grad.uni.edu/thesis-dissertation/thesis-dissertation-manual for details.

H. Publishing Agreement

A Publishing Microfilm Agreement and Survey of Earned Doctorates must be completed and returned to the Graduate College with the final dissertation. The fourth final copy of the dissertation, which may be on regular printer paper, must accompany the publishing agreement.

The University of Northern Iowa participates in a program sponsored by the Association of Research Libraries and conducted by ProQuest Inc., Ann Arbor, Michigan, for digitization of doctoral dissertations. If the dissertation has been copyrighted, this information must be included on the university agreement form.

I. Dissertation fees

Several fees are required in connection with the dissertation and will be put on the student's university bill when the dissertation is submitted; these include:

- i a binding fee for the library copies of the dissertation. If a student wishes to bind additional copies, individual arrangements with a binder must be made.
- ii a publishing fee to cover the cost of digitizing the dissertation and publishing the abstract.
- iii a copyright fee if the student wishes to have the dissertation copyrighted.

Students should check with the Graduate College office for the amount of each of the above fees.

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. Paper applications are no longer accepted. A non-refundable graduation fee is charged each term a student applies to graduate. **To avoid paying a late application fee, an application to graduate must be submitted by November 10 for Fall terms, April 1 for Spring terms, or July 1 for Summer terms.** During the semesters, these dates ensure that students' names can be included in the commencement publication. After the deadline, but before the end of the term, students may still apply for degree conferral that term, but a substantial late application fee will be charged in addition to the normal graduation fee, and their names might not be included in the commencement publication. **Applications submitted after the end of the term will generally not be processed for degree conferral for the term just past.** Exceptions for post-term application will only be considered for unforeseen circumstances arising after the end of the term and require approval by the department and the Graduate College on a MyUNIverse student request. If the department or Graduate College does not approve a post-term applicant, the student will need to apply for graduation the next term and pay the graduation fee, but will not have to pay a graduation fee for the late application.

Graduate Student Eligibility to Participate in Commencement Ceremony

Graduate students may participate in commencement at the end of the Fall or Spring term that their final degree requirements are completed, or the next later term. There is no summer commencement ceremony. Summer degree candidates may participate in Spring or Fall commencement as indicated below. Although Application for Degree Conferral may be submitted until the end of the term, in order to ensure inclusion in the commencement program and to avoid a late application fee, Applications for Graduation must be submitted by the following deadlines:

- A. Spring graduate degree candidates must submit their application by April 1.
- B. Fall graduate degree candidates must submit their application by November 10.
- C. Summer graduate degree candidates: The application deadline to avoid the late application fee is July 1. For deadlines for commencement participation, see the appropriate paragraph immediately below:
Summer Graduation - Master's and Specialist Degree Students: Students who will complete their degree requirements in summer, and who apply by April 1 for summer graduation (degree conferral), are eligible to participate in Spring commencement. Students who will complete their degree requirements in summer and who apply after April 1 for summer graduation (degree conferral) are only eligible to participate in Fall commencement.
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 end 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 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**
 - 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 and Systematics 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
 - Chemistry-Marketing (also listed in Department of Marketing)
- **Minors**
 - Chemistry
 - Chemistry-Teaching

Department of Communication Sciences and Disorders

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

Department of Communication Studies

- **Undergraduate Majors (B.A.)**
 - Communication (Liberal Arts)

List of Programs by Department

- 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
 - Certificate in Software Testing

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.)**
 - Curriculum and Instruction: Instructional Technology
 - Performance and Training Technology
 - School Library Studies
- **Graduate Majors (M.A.E.)**
 - Curriculum and Instruction: Early Childhood Education

- Curriculum and Instruction: Elementary Education
- Curriculum and Instruction: Literacy Education
- **Graduate Major (Ed.D.)**
 - Doctor of Education: Curriculum and Instruction intensive study area
- **Program Certificate**
 - Instructional Technology Facilitator Certificate

Department of Earth Science

- **Undergraduate Majors (B.A.)**
 - Earth Science
 - Earth Science-Teaching
- **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.E.)**
 - Postsecondary Education: Student Affairs
 - 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

- **Graduate Majors (M.A.E.)**
 - Educational Psychology
 - 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**
 - Certificate in Cartography and Geographic Information Systems (GIS)

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 Certificate
 - Certificate in 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

- **Graduate Major (Ed.D.)**
 - Doctor of Education: Allied Health, Recreation and Community Services intensive study area

- **Program Certificates**
 - Aquatics Specialization Certificate
 - Nonprofit Management Certificate
 - Outdoor Recreation Certificate
 - School-Age Care Leadership Certificate
 - Tourism Certificate

Department of History

- **Undergraduate Majors (B.A.)**
 - History-Liberal Arts
 - History-Teaching
- **Minor**
 - History
- **Graduate Major (M.A.)**
 - History
- **Program Certificate**
 - Certificate in Public History

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

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

List of Programs by Department

- 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**
 - Certificate in International Business, Culture, and Language
 - Certificate in Leadership Foundations
 - Conflict Resolution Certificate
 - Graduate Certificate in Women's and Gender Studies

Iowa Lakeside Lab

Iowa Teacher Intern License Pathway (ITILP) - 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
 - Spanish
 - Spanish-Teaching
 - 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**
 - 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
 - Certificate in 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.)**
 - Chemistry-Marketing (also listed in Department of Chemistry and Biochemistry)
 - Marketing
- **Minors**
 - Business Communication (also listed in Department of Communication Studies)
 - Marketing (Non-Business Majors)
- **Program Certificates**
 - Entrepreneurship
 - Financial and Real Estate Sales for Business Majors (also listed in Department of Finance)

Department of Mathematics

- **Undergraduate Majors (B.A.)**
 - Mathematics
 - Mathematics-Statistics/Actuarial Science
 - Mathematics-Teaching
- **Minors**
 - Mathematics
 - Mathematics-Teaching
 - Mathematics (K-8)-Teaching (also listed in Department of Curriculum and Instruction)
 - Statistics and Actuarial Science
- **Graduate Majors (M.A.)**
 - Mathematics

- Mathematics
- Secondary Teaching
- Community College Teaching

- Mathematics for the Middle Grades (4-8)

- **Graduate Majors (P.S.M.)**
 - Industrial Mathematics

- **Program Certificate**
 - Continuous Quality Improvement Certificate

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

Department of Psychology

- **Undergraduate Major (B.A.)**
 - Psychology

- **Minor**
 - Psychology

- **Graduate Major (M.A.)**
 - Psychology

- **Program Certificate**
 - Industrial and Organizational Psychology Certificate

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

List of Programs by Department

- **Graduate Major (M.A.)**
 - Social Science

Department of Social Work

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

Department of Sociology, Anthropology, and Criminology

- **Undergraduate Majors (B.A.)**
 - Anthropology
 - Criminology
 - Sociology
- **Minors**
 - Anthropology
 - Criminology
 - Sociology
- **Program Certificates**
 - Certificate in Crime Mapping and Analysis
 - Certificate in Sociology of Inequality
 - Certificate in Sociology of Family and Life Course
 - Certificate in Sociology of Gender and Culture
 - Certificate in Sociology of Race/Ethnicity and Immigration

Department of Special Education

- **Minors**
 - Early Childhood Special Education-Teaching
 - Special Education-Teaching
 - 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
- **Graduate Major (Ed.D.)**
 - Doctor of Education: Special Education intensive study area

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
- **Undergraduate Majors (B.A.)**
 - Graphic Technologies
 - Technology Education - Teaching
 - 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 Certificate
 - Technology Management Certificate

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)	Freshman Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professional 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		
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:

List of Programs by Department

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

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Accounting for any other admission 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. 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, there can be no more than 12 credit hours of UNI 100g/5000-level (also refer to new number system) courses included in the program of study and 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)	Advanced Accounting Systems	3
or MGMT 6249 (150:249)	Management Information Systems Concepts	
Electives		18
Accounting:		
ACCT 4025/5025 (120:135g)	Advanced Accounting	

ACCT 4065/5065 (120:145g)	Principles of Fraud Examination
ACCT 4070/5070 (120:139g)	Government and Not-for-Profit Accounting
ACCT 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
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)	Ethics in Business
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 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)	Introduction to Research Methods	
COMM 4021/5021 (48C:180g)	Quantitative Research Methods	

List of Programs by Department

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	
FAM SERV 4178 (31F:178)	Family Life Education	
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	
FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy	
FAM SERV 3176/5176 (31F:177g)	The American Consumer	
American Politics:		
POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law	
Group 2: Relationship Dynamics		6
Select two of the following:		
Family Studies:		
FAM SERV 2054 (31F:054)	Interpersonal Relationship Dynamics	
FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships	
FAM SERV 3150/5150 (31F:150g)	Families and Aging	
FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis	
Group 3: Professional Applications		6
Select two of the following:		
Family Studies:		
FAM SERV 3155/5155 (31F:155g)	Parenting	
FAM SERV 3160/5160 (31F:160g)	Family Assessment and Intervention	
FAM SERV 3161/5161	Families, Alzheimer's & Related Dementias	
or GERO 3161/5161	Families, Alzheimer's & Related Dementias	
FAM SERV 4157/5157 (31F:157g)	Human Sexuality Education	
FAM SERV 4190 (31F:190)	Professional Practice in Family Services	
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)	Minority Group Relations	
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).

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 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 4153/5153 Family Relationships in Crisis
(31F:153g)

FAM SERV 3162/5162 Issues in Family Policy
(31F:162g)

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

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

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:

World Religions/Philosophy:

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

PHIL 3500 Ethics
(650:142)

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

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
(450:173g) Adults

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
(CAP:194) Dying

Health Promotion and Education:

HPE 3110 (410:110) Introduction to Epidemiology

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

Communication Sciences and Disorders:

CSD 1000 Understanding
(51C:006) 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 &
Related Dementias

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

Internship 4

Senior Seminar, Gerontology:

GERO 4193 Internship Seminar (1 hr.)
(31G:193)

and one of the following (3 hrs.):

School of Applied Human Sciences:

GERO 4195 Internship in Gerontology
(31G:195) (Social Sciences track section)

OR

Health Promotion and Education:

HPE 4768 (410:168) Field Experience in Health
Promotion

List of Programs by Department

OR	
Sociology:	
SOC 3100/5100 (980:184g)	Theory and Practice in Applied Settings
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 Families and Aging 3150/5150 (31F:150g)

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

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

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

HPE 3110 (410:110) Introduction to Epidemiology

HPE 4164/5164 Health Care and the Consumer (410:164g)

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

HPE 4186/5186 Guided Independent Study course "Medical Terminology for the Medical Professions, 2 hrs.

Communication Studies:

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

Internship ^{^^} 10-12

Students complete the seminar and either internship:

Senior Seminar School of Applied Human Sciences:

GERO 4193 Internship Seminar (31G:193)

or HPE 3693 Internship Seminar (410:193)

School of Applied Human Sciences:

GERO 4195 Internship in Gerontology (Long Term Care track section) (31G:195)

OR

Health Promotion and Education:

HPE 4768 (410:168) Field Experience in Health Promotion

OR

Internship School of Applied Human Sciences:

GERO 4195 Internship in Gerontology (Long Term Care track) (31G:195)

OR

Health Promotion and Education:

HPE 4768 (410:168) Field Experience in Health Promotion

OR

Sociology:

SOC 3100/5100 Theory and Practice in Applied Settings (980:184g)

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)	Introduction to Textile Materials	3
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: 3		
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 1001 (31T:020)	Introduction to the Textile and Apparel Industry	3
TEXDSGN 1002 (31T:013)	Introduction to Textile Materials	3
TEXDSGN 1003 (31T:012)	Creative Textile and Apparel Design Foundations	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)	Apparel Product Development, Planning and Design	3
TEXDSGN 3013 (31T:185)	Professional Development: Textile and Apparel	2
TEXDSGN 4015/5015 (31T:114g)	Dress and Human Behavior	3
TEXDSGN 4016 (31T:115g)	Apparel Product Development and Merchandising	3
TEXDSGN 4195 (31T:195)	Internship in Textile and Apparel	4
School of Applied Human Sciences:		
Select one of the following:		3
TEXDSGN 1017 (31T:015)	Multicultural Aspects of Apparel Design	
TEXDSGN 2005 (31T:121)	Fashion Promotion	

List of Programs by Department

TEXDSGN 4184/5184 (31T:184g)	Topics in Textile and Apparel	
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
MKTG 3166 (130:166)	Retail Management	3
Economics:		
ECON 1031 (920:024)	Introduction to Economics	3
Select one of the following:		3
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	
Marketing:		
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 4170/5170 (130:191g)	Marketing Strategy	
Management:		
MGMT 3153 (150:153)	Organizational Management	
Total Hours		60

Minors

Family Studies Minor

Required		
Family Studies:		12
FAM SERV 1020 (31F:020)	Family Relationships	
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	
COMM COR 2020 (48C:080)	Introduction to 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 PSYCH 2202 (400:120)	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 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 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 or FAM SERV 3161/5161	Families, Alzheimer's & 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

List of Programs by Department

Communication Sciences and Disorders:	
CSD 1000 (51C:006)	Understanding Communication Disorders
Communication Studies:	
COMM 4116/5116 (48C:138g)	Health Communication
Health Promotion and Education:	
HPE 3110 (410:110)	Introduction to Epidemiology
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.

Textile and Apparel Minor

Liberal Arts Core courses included in minor program requirements are distinguished by *italics*.

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

Required

Textile and Apparel:		
TEXDSGN 1001 (31T:020)	Introduction to the Textile and Apparel Industry	3
TEXDSGN 1002 (31T:013)	Introduction to Textile Materials	3
TEXDSGN 1003 (31T:012)	Creative Textile and Apparel Design Foundations	3
TEXDSGN 2007 (31T:014)	Apparel Design and Evaluation	3

Electives from the following:

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	

List of Programs by Department

TEXDSGN 3009 (31T:123)	Textile Structures	
TEXDSGN 3010 (31T:124)	Quality Assurance for Textile Materials	
TEXDSGN 3011 (31T:119)	Fashion Trend Analysis	
TEXDSGN 3012 (31T:122)	Apparel Product Development, Planning and Design	
TEXDSGN 4015/5015 (31T:114g)	Dress and Human Behavior	
TEXDSGN 4016 (31T:115g)	Apparel Product Development and Merchandising	
TEXDSGN 4184/5184 (31T:184g)	Topics in Textile and Apparel	
Total Hours		18

Master of Arts Degree Program

Major in Counseling

The Counseling major is offered with two emphasis areas; Clinical Mental Health Counseling and School Counseling. Program requirements and detailed information on the major, including admission policies and procedures, should be obtained from the School of Applied Human Sciences. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission (also www.uni.edu/csbs/sahs/counseling).

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. The Clinical Mental Health emphasis requires a **minimum of 60 semester hours** for the **non-thesis option**; the School Counseling emphasis requires a **minimum of 51 semester hours** for the **non-thesis option**. 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
Total core hours		36

One of the following emphases:

Clinical Mental Health Counseling Emphasis (24 hours):

Required emphasis hours:

Counseling:		
COUN 6205 (290:205)	Counseling Processes with Individuals and Systems	3
COUN 6241 (290:241)	Treatment Procedures in Mental Health Counseling	3
COUN 6290 (290:290)	Practicum in Counseling	3
COUN 6291 (290:291)	Internship	6
Psychology:		
PSYCH 3403/5403 (400:142g)	Abnormal Psychology	3
Electives:		6

Total hours for Counseling: Clinical Mental Health Counseling non-thesis option (CACREP required 60 credits)

Additional requirement for thesis option:

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

School Counseling Emphasis (15 hours):

Required emphasis courses:

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

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

Additional requirement for thesis option:

COUN 6299 (290:299)	Research	6
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

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 that provides the art major 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.

No grade of less than C- shall satisfy any art major or minor degree requirement whether taken at UNI or transferred from another institution. For all studio courses in the Department of Art programs the ratio of student work hours to credit hours is 3:1. Therefore, additional work is required outside the regular class meeting times.

Courses in the Department of Art require specialized materials, some of which are provided through art lab fees.

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

Foundations Sequence

The Foundations Sequence is a one-year program required for all art majors and art minors. Introductory courses are offered that will provide an intense exploration of basic art concepts and skills as preparation for specialized and advanced areas of study.

Art majors take the 18 hours of introductory courses in the first year of study. The Foundations Sequence is prerequisite to all studio and art history courses. Generally, students enroll in Drawing I, 2-D Concepts, and Survey of Art History I during the first semester and Drawing II, 3-D Concepts, and Survey of Art History II the second semester.

The Foundations Sequence is a prerequisite for introductory level courses taken only by Art majors and minors.

Foundations Sequence for majors:

ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3
Total Hours		18

Foundations Sequence for Art Studio minors:

ART 1011 (600:018)	Drawing I	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
or ARTHIST 1222 (600:041)	Survey of Art History II	
Total Hours		12

Foundations Sequence for Art History minors:

ART 1011 (600:018)	Drawing I	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
or ART 1333 (600:027)	Three-Dimensional Concepts	
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3
Total Hours		12

Bachelor of Fine Arts Degree Program

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

1. have a minimum cumulative GPA in Art of 3.00, and an overall cumulative GPA of 2.75,
2. complete the Foundations Sequence,
3. have completed or be completing in the semester of application 6 hours of studio distribution,
4. be enrolled in or have completed a second semester in the selected area of Studio Concentration (students electing a drawing concentration must be enrolled in or have completed a third semester of drawing beyond Drawing II),
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.

List of Programs by Department

Foundations Sequence

ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3

Studio Distribution *

Group 1: 2-D studio distribution (select two of the following)

ART 2030 (600:025)	Graphic Design I
ART 2050 (600:080)	Painting I
ART 2070 (600:032)	Creative Photography I
ART 2080	Printmaking I: Strategies

Group 2: 3-D studio distribution (select two of the following)

ART 2020 (600:050)	Ceramics I
ART 2040 (600:074)	Jewelry Design and Metalsmithing I
ART 2060 (600:060)	Performance Art I
ART 2090 (600:037)	Sculpture I

Studio Distribution plus: choose one course from the following:

ART 3020 (600:161)	Ceramics II
ART 3030 (600:125)	Graphic Design II
ART 3040 (600:124)	Jewelry Design and Metalsmithing II
ART 3050 (600:162)	Painting II
ART 3060 (600:163)	Performance Art II
ART 3070 (600:130)	Creative Photography II
ART 3080 (600:134)	Printmaking II: Applications
ART 3090 (600:137)	Sculpture II

History of Art Distribution

Choose any three 4000-level ARTHIST courses.

B.F.A. courses

B.F.A. portfolio admission review

ART 4010/5010 (600:194g)	Professional Practices	3
ART 4300/5300 (600:192g)	Seminar: Critical Issues in Contemporary Art	3
ART 4400 (600:189)	B.F.A. Exhibition	

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, jewelry design and metalsmithing, 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, jewelry design and metalsmithing, painting, performance art, photography, printmaking, or sculpture.

The B.F.A. Exhibition ART 4400 (600:189) serves as the exit requirement for this degree program.

Bachelor of Arts Degree Programs

Art Major-Studio Emphasis

The B.A. Art-Studio Emphasis major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Foundations Sequence

ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3

Studio Distribution *

Group 1: 2-D studio distribution (select one of the following)

ART 2030 (600:025)	Graphic Design I
ART 2050 (600:080)	Painting I
ART 2070 (600:032)	Creative Photography I
ART 2080	Printmaking I: Strategies

Group 2: 3-D studio distribution (select one of the following)

ART 2020 (600:050)	Ceramics I
ART 2040 (600:074)	Jewelry Design and Metalsmithing I
ART 2060 (600:060)	Performance Art I
ART 2090 (600:037)	Sculpture I

Studio distribution plus choose one course from the following

List of Programs by Department

ART 3020 (600:161)	Ceramics II	
ART 3030 (600:125)	Graphic Design II	
ART 3040 (600:124)	Jewelry Design and Metalsmithing 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), graphic design, jewelry design and metalsmithing, painting, performance art, photography, printmaking, or sculpture.
Studio courses used to fulfill the studio distribution requirement cannot be used to fulfill requirements in the studio concentration.

Art Major-Art History Emphasis

The B.A. Art-Art History Emphasis major requires a minimum of 120 total hours to graduate. This total includes Liberal Arts Core requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Foundations Sequence

ART 1011 (600:018)	Drawing I	3
ART 1022 (600:019)	Drawing II	3
ART 1222 (600:026)	Two-Dimensional Concepts	3
ART 1333 (600:027)	Three-Dimensional Concepts	3
ARTHIST 1111 (600:040)	Survey of Art History I	3
ARTHIST 1222 (600:041)	Survey of Art History II	3

Studio Distribution

Group 1: 2-D studio distribution (select one of the following)		
ART 2030 (600:025)	Graphic Design I	
ART 2050 (600:080)	Painting I	
ART 2070 (600:032)	Creative Photography I	
ART 2080	Printmaking I: Strategies	
Group 2: 3-D studio distribution (select one of the following)		
ART 2020 (600:050)	Ceramics I	

ART 2040 (600:074)	Jewelry Design and Metalsmithing 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)	Art History Ancient Greek	
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	

List of Programs by Department

ARTHIST 4606/5606 (600:156g)	Chinese Art	
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	
Foreign Language (in addition to the foreign language competency requirement)		6-10
Total Hours		57-61

* Art history courses used to fulfill the art history distribution requirement cannot be used to fulfill requirements in the art history concentration.

Students electing an emphasis in Art History must also complete four college-level semesters of a foreign language.

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

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 2040 (600:074)	Jewelry Design and Metalsmithing I	
ART 2060 (600:060)	Performance Art I	
ART 2090 (600:037)	Sculpture I	
Art History Distribution		6
choose two courses from any 4000-level ARTHIST courses		
Professional Methods Courses *		
ARTED 2500 (600:091)	Foundations in Art Education	2
ARTED 2600 (600:092)	Methods in Elementary Art Education	3
ARTED 3505 (600:119)	Methods in Secondary Art Education	3
ARTED 4500 (600:121)	Issues and Theories in Art Education	2
Art Concentration **		6
Total Hours		52

* Completion of these courses will satisfy INSTTECH 1020 (240:020) of the Professional Education Requirements.

** Courses used to fulfill the Art concentration may not be used to fulfill other requirements in this degree.

Art Education majors must choose an area of concentration in either Studio or Art History. An Art History concentration consists of two 4000-level ARTHIST courses not used to fulfill the art history distribution requirement. A concentration in Studio consists of two 3000 level in a single area (ceramics, drawing, graphic design, jewelry design & metalsmithing, 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

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 2040 (600:074)	Jewelry Design and Metalsmithing I	
ART 2060 (600:060)	Performance Art I	
ART 2090 (600:037)	Sculpture I	

Select one course from the following 3

ART 3020 (600:161)	Ceramics II	
ART 3040 (600:124)	Jewelry Design and Metalsmithing 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	

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

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 two courses from the following major electives): 6

ART 3031 (600:126)	Graphic Design: Identity System Design	
ART 3032 (600:128)	Graphic Design: Digital Image Design	
ART 3033 (600:129)	Graphic Design: Typography	
ART 3034 (600:127)	Graphic Design: Publication Design	
ART 3035 (600:182)	Graphic Design: Motion Graphics	
ART 3036 (600:181)	Graphic Design: Web and Interactive Design	
ART 3037 (600:183)	Graphic Design: Book Structures	
ART 3038 (600:184)	Graphic Design: Portfolio Preparation	

Studio elective 3

Total Hours 48

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 2040 (600:074)	Jewelry Design and Metalsmithing 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 3040 (600:124)	Jewelry Design and Metalsmithing II	
ART 3044 (600:170)	Jewelry Design and Metalsmithing III	
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	

List of Programs by Department

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) or ART 1333 (600:027)	Two-Dimensional Concepts Three-Dimensional Concepts	3

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)	Art History Ancient Greek	
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 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 contact the Department of Art for other admission 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 *	9
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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 and Evolution 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

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

List of Programs by Department

should work with advisors early in their programs, as advanced planning for sequenced courses is very important.

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
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.

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 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)	General Chemistry I	
CHEM 1120 (860:048)	General Chemistry II	
CHEM 2210 (860:120) & CHEM 2230 (860:121)	Organic Chemistry I and Organic Chemistry Laboratory	
or CHEM 1040 (860:063)	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	

List of Programs by Department

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.

*** 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 3119 (840:119)	Biotechnology Applications	
BIOL 3147 (840:147)	Cancer and Emerging Infectious Diseases	
BIOL 3151 (840:151)	General Microbiology	
BIOL 3152 (840:152)	Microbial Molecular Genetics	

List of Programs by Department

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 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 and Evolution Emphasis

The B.A. Biology Major: Ecology and Evolution 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 ecology, animal behavior, systematics, conservation biology, environmental toxicology, population biology, and evolutionary biology. 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) Trigonometry and Mathematics for Biological Sciences & MATH 1120 (800:056)

Chemistry and Biochemistry: 12-13

CHEM 1110 (860:044) General Chemistry I and General Chemistry II *** & CHEM 1120 (860:048)

Select one of the following:

CHEM 1040 (860:063) Applied Organic and Biochemistry

CHEM 2210 (860:120) Organic Chemistry I and Organic Chemistry Laboratory & CHEM 2230 (860:121)

Physical Science 4

EARTHSCI 1300 (870:031) Introduction to Geology

or PHYSICS 1511 (880:054) General Physics I

Electives: select from the following (consult with advisor): 21-23

Biology: ^

BIOL 3103 (840:103) Applied Ecology and Conservation

BIOL 3106 (840:106) Vertebrate Anatomy

BIOL 3112 (840:112) Invertebrate Zoology

BIOL 3120 (840:120) Plant Diversity and Evolution

List of Programs by Department

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 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
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 3106 (840:106)	Vertebrate Anatomy
BIOL 3160 (840:160)	Field Zoology of Vertebrates
BIOL 4114/5114 (840:114g)	Comparative Animal Physiology ***
BIOL 4146/5146 (840:146g)	Developmental Biology of Animals
BIOL 4164/5164 (840:164g)	Mammalogy
Cellular group:	4
Select one of the following:	

List of Programs by Department

BIOL 3151 (840:151)	General Microbiology	
BIOL 3152 (840:152)	Microbial Molecular Genetics	
BIOL 4128/5128 (840:128g)	Cell Biology	
Cognate courses:		
Chemistry and Biochemistry:		12
CHEM 1040 (860:063)	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 and BIOL 3102 (840:102) Anatomy and Physiology II may substitute four hours of this credit for BIOL 4114/5114 (840:114g) Comparative Animal Physiology; if so, neither BIOL 3101 (840:101) Anatomy and Physiology I nor BIOL 3102 (840:102) Anatomy and Physiology II can count as biology elective credit.

[^] 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. 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
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 complete an application and be admitted to the program. 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 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 contact the Department of Biology 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 (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 18 semester hours of 200/6000-level course work is required.**

Required:		
Biology:		
BIOL 6240 (840:240)	Advanced Cellular and Molecular Biology	3
BIOL 6280 (840:280)	Advanced Analytical Techniques	3
Science and Science Education:		12-14
PSM 6100 (820:209)	Business Management for Science Professionals	
PSM 6300 (820:215)	Team-Based Problem Solving	
PSM 6289 (820:289)	Professional Science Master's Seminar (2 hrs.)	

List of Programs by Department

PSM 6950 (820:295)	Professional Science Master's Internship (4-6 hrs.)	
Electives (must be 100g/5000-level or above): *		10-12
Total hours		30

* Students having completed at least two courses in Group A, or their equivalent, may select electives from Group B.

Group A:

Biology:

BIOL 4121/5121 (840:121g)	Plant Biotechnology
BIOL 4127/5127 (840:127g)	Bioinformatics Applications for Biology
BIOL 4129/5129 (840:129g)	Genomics and Proteomics
BIOL 4153/5153 (840:153g)	Recombinant DNA Techniques

Chemistry and Biochemistry:

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

Biology:

BIOL 4122/5122 (840:122g)	Plant Physiology
BIOL 4128/5128 (840:128g)	Cell Biology
BIOL 4146/5146 (840:146g)	Developmental Biology of Animals
BIOL 4150/5150 (840:150g)	Immunology
BIOL 4157/5157 (840:157g)	Biostatistics

Chemistry and Biochemistry:

CHEM 4520/5520 (860:155g)	Biochemistry II
CHEM 4530/5530 (860:156g)	Biochemistry Laboratory
CHEM 6610 (860:211)	Corporate Chemistry

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 business and other organizational environments, 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. To be admitted, students must also have had an upper level course with significant plant taxonomy or systematics content, and an upper level Ecology course.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Biology for other admission 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 18 semester hours of 200/6000-level course work** is required.

Required:

Biology:

BIOL 4180/5180 (840:180g)	Restoration Ecology	4
BIOL 6260 (840:260)	Advanced Ecology	3
BIOL 6280 (840:280)	Advanced Analytical Techniques	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 hrs.)	2
PSM 6950 (820:295)	Professional Science Master's Internship	4

Electives (must be 100g/5000-level or above): *	8
Total Hours	30

* Students having completed at least one course in Group A, or their equivalent, may select electives from Group B.

Group A:

Biology:

BIOL 4166/5166 (840:166g)	Plant Systematics
BIOL 4178/5178 (840:178g)	Fire Management in Ecosystems

Geography:

GEOG 4230/5230 (970:129g)	Rivers
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Group B:

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 4164/5164 (840:164g)	Mammalogy
BIOL 4167/5167 (840:167g)	Conservation Biology
BIOL 4157/5157 (840:157g)	Biostatistics
or STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research

Earth Science:

EARTHSCI 3330/5330 (870:141g)	Geomorphology
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology
EARTHSCI 3355/5355 (870:175g)	Hydrogeology
Economics:	
ECON 3225/5225 (920:123g)	Environmental Economics
Geography:	
GEOG 4220/5220 (970:126g)	Soils and Landscapes
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 4170/5170 (970:168g)	Regional Analysis and Planning
GEOG 4370/5370 (970:173g)	Remote Sensing of the Environment
Iowa Lakeside Laboratory: **	
IA LL 3103/5103 (890:103g)	Aquatic Ecology
IA LL 3121/5121 (890:121g)	Plant Ecology
IA LL 3122/5122 (890:122g)	Prairie Ecology
IA LL 3124/5124 (890:124g)	Wetland Ecology
IA LL 3126/5126 (890:126g)	Ornithology
IA LL 3142/5142 (890:142g)	Watershed Hydrology and Surficial Processes
IA LL 3175/5175 (890:175g)	Soil Genesis and Landscape Relationships

** 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
- Chemistry-Marketing (also listed in Department of Marketing)
- **Minors**
 - Chemistry
 - Chemistry-Teaching

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

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.

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 2051 (840:051)	General Biology: Organismal Diversity	4
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) or CHEM 1130 (860:070)	General Chemistry I and General Chemistry II	5-8
CHEM 2110 (860:110)	Descriptive Inorganic Chemistry	4
CHEM 2210 (860:120)	Organic Chemistry I	3
CHEM 2220 (860:123)	Organic Chemistry II	3
CHEM 2230 (860:121)	Organic Chemistry Laboratory	2
CHEM 2310 (860:132)	Quantitative Analysis	4

List of Programs by Department

CHEM 3600 (860:180)	Undergraduate Research in Chemistry	2
CHEM 4310/5310 (860:137g)	Instrumental Analysis	4
CHEM 4420/5420 (860:140g)	Physical Chemistry: Thermodynamics	3
CHEM 4430/5430 (860:141g)	Physical Chemistry: Kinetics, Quantum Mechanics, and Spectroscopy	3
CHEM 4440/5440 (860:143g)	Physical Chemistry Laboratory	2
CHEM 4510/5510 (860:154g)	Biochemistry I	3
CHEM 4520/5520 (860:155g)	Biochemistry II	3
CHEM 4530/5530 (860:156g)	Biochemistry Laboratory	2
Physics:		
Select one of the following:		8
PHYSICS 1511 (880:054) & PHYSICS 1512 (880:056)	General Physics I and General Physics II	
OR		
PHYSICS 1701 (880:130) & PHYSICS 1702 (880:131)	Physics I for Science and Engineering and Physics II for Science and Engineering	
Total Hours		71-74

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) & 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)	Quantitative Analysis	4
CHEM 3600 (860:180)	Undergraduate Research in Chemistry	2
CHEM 4110/5110 (860:145g)	Inorganic Chemistry	3

CHEM 4310/5310 (860:137g)	Instrumental Analysis	4
CHEM 4420/5420 (860:140g)	Physical Chemistry: Thermodynamics	3
CHEM 4430/5430 (860:141g)	Physical Chemistry: Kinetics, Quantum Mechanics, and Spectroscopy	3
CHEM 4440/5440 (860:143g)	Physical Chemistry Laboratory	2
CHEM 4510/5510 (860:154g)	Biochemistry I	3
CHEM 4610/5610 (860:149g)	Advanced Laboratory Techniques in Chemistry	2
Physics:		11
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	
and one 100/3000/4000-level cognate elective of at least 3 hours		
Elective		3
A chemistry lecture course carrying a physical chemistry prerequisite.		
Total Hours		65-68

Notes:

1. 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 be taken after completion of CHEM 4420/5420 (860:140g) Physical Chemistry: Thermodynamics; CHEM 4430/5430 (860:141g) Physical Chemistry: Kinetics, Quantum Mechanics, and Spectroscopy; or both CHEM 2230 (860:121) Organic Chemistry Laboratory and CHEM 2310 (860:132) Quantitative Analysis. In addition, completion of a final written report is required.
2. 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. Also, these students may satisfy the Physics requirement of the degree with PHYSICS 1511 (880:054) and PHYSICS 1512 (880:056) alone.
3. 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 (at least 2 hours of which must be taken after completion of CHEM 4420/5420 (860:140g) Physical Chemistry: Thermodynamics or CHEM 4430/5430 (860:141g) Physical Chemistry: Kinetics, Quantum Mechanics, and

Spectroscopy) 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 2051 (840:051)	General Biology: Organismal Diversity	4
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)	Quantitative Analysis	
CHEM 2210 (860:120)	Organic Chemistry I	3
CHEM 2230 (860:121)	Organic Chemistry Laboratory	2
CHEM 2220 (860:123)	Organic Chemistry II	3
CHEM 4410/5410 (860:142g)	Principles of Physical Chemistry *	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)	General Physics I	4
PHYSICS 1512 (880:056)	General Physics II	4
Total Hours		52-55

* Students with better preparation in mathematics (MATH 1420 (800:060) and MATH 1421 (800:061)) may elect CHEM 4420/5420 (860:140g) and CHEM 4430/5430 (860:141g) to fulfill the physical chemistry portion of this program.

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)	Quantitative Analysis	4
CHEM 4310/5310 (860:137g)	Instrumental Analysis	4
CHEM 4420/5420 (860:140g)	Physical Chemistry: Thermodynamics	3
CHEM 4430/5430 (860:141g)	Physical Chemistry: Kinetics, Quantum Mechanics, and Spectroscopy	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		47-50

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.

List of Programs by Department

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 1040 (860:063)	Applied Organic and Biochemistry	4
CHEM 2110 (860:110)	Descriptive Inorganic Chemistry	4
CHEM 2310 (860:132)	Quantitative Analysis	4
CHEM 4010/5010	Chemical Safety Seminar	1
and select one of the following:		
CHEM 4410/5410 (860:142g)	Principles of Physical Chemistry	3
CHEM 4420/5420 (860:140g)	Physical Chemistry: Thermodynamics	
CHEM 4430/5430 (860:141g)	Physical Chemistry: Kinetics, Quantum Mechanics, and Spectroscopy	
Physics:		
Select one of the following:		
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	
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
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 1040 (860:063) and the one-hour elective.
- Students who complete both CHEM 4420/5420 (860:140g) and CHEM 4430/5430 (860:141g) may count the latter course toward their elective hour total.

Chemistry-Marketing Major

The B.A. Chemistry-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.

This program provides preparation for students interested in the sales and marketing aspects of the chemical industry.

Required

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
MKTG 3113/5113 (130:106g)	Consumer Behavior	3
MKTG 3153 (130:153)	Personal Selling	3
MKTG 3163 (130:161) or MKTG 3156 (130:178)	Distribution and Logistics Services Marketing	3
Management:		
MGMT 3153 (150:153)	Organizational Management	3
Economics: *		
ECON 1031 (920:024) or ECON 1041 (920:053)	Introduction to Economics Principles of Macroeconomics	3
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) or CHEM 4510/5510 (860:154g)	Descriptive Inorganic Chemistry Biochemistry I	3-4
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)	Quantitative Analysis	4
CHEM 4410/5410 (860:142g)	Principles of Physical Chemistry	3
Total Hours		47-51

* All listed marketing courses have either ECON 1031 (920:024) or ECON 1041 (920:053) as a prerequisite. 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.

Note: Students on this major are strongly encouraged to complete MKTG 3116/5116 (130:108g) . Additional prerequisites for MKTG 3116/5116 (130:108g) are MGMT 2080 (150:080) , STAT 1772 (800:072) , ECON 1021 (920:020) , and ECON 1011 (920:070) . STAT 1772 (800:072) will satisfy Category 1C of the Liberal Arts Core.

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 in chemistry and biochemistry [beyond CHEM 1120 (860:048) and CHEM 1130 (860:070)]: *	12
Total Hours	17-20

*Following are some suggested elective courses to complete the Chemistry Minor:

CHEM 1040 (860:063)	Applied Organic and Biochemistry	4
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)	Quantitative Analysis	4
CHEM 4010/5010	Chemical Safety Seminar	1
CHEM 4410/5410 (860:142g)	Principles of Physical Chemistry	3
CHEM 4510/5510 (860:154g)	Biochemistry I	3
CHEM 4520/5520 (860:155g)	Biochemistry II	3

Chemistry Minor-Teaching

The Chemistry-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

Chemistry and Biochemistry:		
CHEM 1040 (860:063)	Applied Organic and Biochemistry *	4
CHEM 1110 (860:044) & CHEM 1120 (860:048) or CHEM 1130 (860:070)	General Chemistry I and General Chemistry II General Chemistry I-II	5-8
CHEM 2310 (860:132)	Quantitative Analysis	4
CHEM 4410/5410 (860:142g)	Principles of Physical Chemistry	3
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
SCI ED 4700/5700 (820:193g)	Methods for Teaching Physical Science	3
Total Hours		24-27

Department of Communication Sciences and Disorders

(College of Humanities, Arts and Sciences)

www.uni.edu/chfa

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.)

Communicative Disorders

Graduate Major (M.A.)

Speech-Language Pathology

Bachelor of Arts Degree Program Communicative Disorders Major

The Communicative 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

Communicative Disorders:		
CSD 1000 (51C:006)	Understanding Communication Disorders	3
CSD 3100 (51C:106)	Language Acquisition in Children: Birth to 5 Years	3
CSD 3101 (51C:107)	Language Analysis Lab	1
CSD 3120 (51C:111)	Phonetics in Communicative Disorders	3
CSD 3130/5130 (51C:164g)	Neuroscience and the Study of Communication Disorders	4
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	4
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 (one of the following courses selected with approval of the major academic advisor:		3
MEASRES 4180/5180 (250:180g) or STAT 1772 (800:072)	Statistical Methods in Education * Introduction to Statistical Methods	

Additional Requirements

List of Programs by Department

Students must select a minimum of 7 credit hours from Option 1 or Option 2 7

Option 1: Pre-professional speech-language pathology

Communicative 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
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Social Work:

SW 4143/5143 (450:143g)	Stress and Stress Management in the Helping Professions
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Communicative 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

* A 3-hour course in statistics selected with approval of the major academic advisor.

Students must have an overall GPA of 3.00 or consent of the department head to declare a major in Communicative 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 C 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 C- or less. Any one course may be repeated once; a second failure to meet the required C 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.

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 contact the Department of Communication Sciences and Disorders for other admission 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 43 semester hours** is required for the **thesis option**. A **minimum of 42 hours** is required for the **non-thesis option**. A minimum of 6 hours of CSD 6299 (51C:299) is required for the thesis option. **A minimum of 32 semester hours of 200/6000-level course work is required.**

Students may select a thesis or non-thesis option upon consultation with their graduate advisor. In the Department of Communication Sciences and Disorders, all students must have the signature of their advisor for registration for classes, including all adds and drops. Students who are suspended by the Graduate College may not enroll for major courses within this department.

All students must abide by the policies and procedures found in the Graduate Student Handbook, which is published by and available in the department.

The student, in consultation with the advisor, must choose courses designed to meet the standards of the Council on Academic Accreditation of the American Speech-Language-Hearing Association academic requirements for the Certificate of Clinical Competence. Recommendation for clinical certification will be given only upon successful completion of all academic and clinical requirements.

The student must complete a minimum of 400 clock hours of which 25 are observation and 375 are in direct patient contact in the supervised clinical practicum; at least 325 of the 400 clock hours must be at the graduate level. Certificates in specialty areas will be awarded to students who complete the core and a minimum of 6 additional hours in one or two areas of emphasis. Students should consult with their advisor concerning the specialty certificates.

Based on satisfactory completion of an undergraduate degree in Communicative 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 must enroll in Human Relations TEACHING 4170/5170 (280:170g). In addition, students are required to complete a minimum of 10 semester hours of course work in professional education, to be selected under guidance of the major academic advisor, and 10 semester hours of practicum in a public school internship.

Requirements for this major 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 each of the two required credits of CSD 6660 Advanced Diagnostics in Communication Disorders and each of the four required credits of CSD 6500 (51S:255) Advanced Clinical Practice. 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 or CSD 6560 Diagnostics in Communication Disorders.

Communicative Disorders courses typically completed as an undergraduate:

CSD 3100 (51C:106)	Language Acquisition in Children: Birth to 5 Years	3
CSD 3101 (51C:107)	Language Analysis Lab	1
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	4
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	2
CSD 3900/5900 (51C:180g)	Aural Rehabilitation	3
CSD 4500 (51C:155)	Clinical Practice	1

Speech Language Pathology core (as a graduate student): 28

Required		
CSD 6000 (51C:200)	Research Methods in Speech-Language Pathology and Audiology	
CSD 6100 (51C:282)	Professional Issues	

CSD 6300 (51S:222)	Treatment of Child Language Disorders	
CSD 6400 (51S:226)	Disorders of Voice	
CSD 6450 (51S:230)	Motor Speech Disorders	
CSD 6500 (51S:255)	Advanced Clinical Practice (4 hrs. required)	
CSD 6560	Diagnostics in Communication Disorders	
CSD 6600 (51S:229)	Dysphagia (2 hrs. required)	
CSD 6650 (51S:228)	Aphasia and Related Disorders	
CSD 6660	Advanced Diagnostics in Communication Disorders (2 hrs.)	
CSD 6700 (51S:232)	Clinical Phonology	
CSD 6800	Fluency Disorders	
Research:		
CSD 6299 (51C:299)	Research Thesis Option (6 hrs.)	1-6
Non-thesis Option (1-3 hrs.)		
Internship:		
CSD 6580 (51C:257)	Internship in Clinical Settings	4-16
and/or		
TEACHING 6250 (280:250)	Advanced Laboratory Practice (10 hrs.)	
Electives 5-9		
CSD 6289 (51S:289)	Seminar in Speech-Language Pathology (minimum 2 hrs. is required)	
and other courses as approved by the graduate advisor.		
Thesis option (5 hrs.)		
Non-thesis option (9 hrs.)		
Total hours non-thesis		42
Total hours thesis		43

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

List of Programs by Department

- 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 Studies - 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.
 - 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.
5. Political Communication: none.
6. Interactive Digital Studies: COMM COR 1010 (48J:002), COMM 2555 (48C:025), and COMM 4544/5544 (48C:120g).

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.

List of Programs by Department

Required

COMM 1000 (48C:001)	Oral Communication	3
COMM 2011 (48C:002)	Introduction to Communication	1
COMM 2256 (48C:011) or COMM 2255 (48C:071) or COMM 2257 (48C:074)	Oral Interpretation: Texts in Performance** Public Speaking	3
COMM 2344 (48C:004) or COMM 1205 (48C:031)	Interpersonal Communication** Group Communication Skills	3
COMM 2555 (48C:025)	Interactive Digital Communication	3
COMM 4155/5155 (48C:135g) or COMM 4021/5021 (48C:180g) or COMM 4022/5022 (48C:183g) or COMM 4023/5023 (48C:189g)	Organizational Communication Assessment* Quantitative Research Methods Qualitative Research Methods Rhetorical Communication Research Methods	3
COMM 4444/5444 (48C:155g)	Communication, Community, and Change	3
COMM COR 2020 (48C:080)	Introduction to Research Methods	3
COMM COR 4124 (48C:124)	Communication Theories	3
Journalism		
COMM COR 1010 (48J:002)	Mass Communication and Society	3
Electives		9
Select three from the following Theories and Concepts courses:		
COMM 3000/5000 (48C:166g)	Selected Topics in Communication	
COMM 3055 (48C:132)	Organizational Communication	
COMM 3455 (48C:146)	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 4211/5211 (48C:123g)	Rhetoric and Civic Culture	
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*	
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)	Technology and Human 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 Major - Teaching

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 1000 (48C:001)	Oral Communication	3
COMM 1205 (48C:031)	Group Communication Skills**	3

List of Programs by Department

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 2344 (48C:004)	Interpersonal Communication **	3
COMM 2455 (48C:015)	Group Performance: Scripting and Directing	3
COMM 2533 (48C:024)	Media Literacy	3
COMM 4355/5355 (48C:141g)	Listening	3
COMM 4559/5559 (48C:187g)	Teaching of Speech	3
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 3115 (490:109)	Methods of Teaching Drama and Theatre	3
THEATRE 3160 (490:161)	Directing	3
Applied Activity Option:		
Select one of the following:		1
COMM 1940 (48C:091) & COMM 3940 (48C:191)	Applied Forensics and Applied Forensics	
COMM 1941 (48C:093) & COMM 3941 (48C:193)	Applied Performance Studies and Applied Performance Studies	
THEATRE 2050 (490:050)	Theatre Practicum	
Electives		
Select one of the following:		3
Communication:		
COMM 4217/5217 (48C:176g)	Freedom of Speech	
COMM 4218 (48C:178)	Persuasion	
COMM 4322/5322 (48C:144g)	Advanced Interpersonal Communication	
COMM 4411/5411 (48C:122g)	Language and Communication	
COMM 4447/5447 (48C:108g) or COMM 4448/5448 (48C:110g)	Performance and Social Change Cultural Performance	
COMM COR 4124 (48C:124)	Communication Theories	
Theatre:		
THEATRE 2040 (490:040)	Design Elements for Theatre	

THEATRE 3060 (490:135)	History of the Theatre I	
THEATRE 3070 (490:136)	History of the Theatre II	
Total Hours		49

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).

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)	Introduction to 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)	Electronic 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
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Select one of the following two extended emphases:		27
Total Hours		55

Extended Emphasis 1: Electronic Media Production/Performance

Required

Electronic Media:

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:

COMM EM 2655 (48E:013)	Video Production: (Topic)	3
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List of Programs by Department

COMM EM 2656 (48E:011)	Audio Production: (Topic)	
COMM EM 3657 (48E:112)	Multimedia Production: (Topic)	
Electives (chosen from the following)		18
Art (only 3-6 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):		
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 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 4636/5636 (48E:132g)	Electronic Media: Law and Policy	
COMM EM 4638	Electronic Media Programming and Distribution	
COMM EM 4647/5647 (48E:161g)	Communication Technologies	
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 Print 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 *	

Extended 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 3651 (48E:136)	Electronic Media Sales and Promotion	3

List of Programs by Department

COMM EM 3659	Media Industry Trends and Issues	3
COMM EM 3660	Strategic Media Planning	3
COMM EM 4655/5655 (48E:131g)	Electronic Media: Audience Analysis	3
COMM EM 4656/5656 (48E:134g)	Electronic Media Management	3
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, 12 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 Print 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
or COMM 3155 (48C:173)	Business and Professional Oral Communication	
COMM 3055 (48C:132)	Organizational Communication	3
COMM COR 2020 (48C:080)	Introduction to 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		57

- * MKTG 2110 (130:101) and MKTG 3113/5113 (130:106g) have ECON 1031 (920:024) or ECON 1041 (920:053) as a prerequisite. ECON 1031 (920:024) will satisfy Category 5B of the Liberal Arts Core.
- ** 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.

Required		
Communication:		6
COMM 2555 (48C:025)	Interactive Digital Communication	
COMM 4544/5544 (48C:120g)	Technology and Human 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 2020 (980:080)	Statistics for Social Research	3
SOC 2010 (980:108)	Research Methods	3
or COMM COR 2020 (48C:080)	Introduction to Research Methods	
Communication:		
COMM 4556/5556	Interactive Digital Visualization	3
Sociology or Communication:		
SOC 3060/5060 (980:138g)	Sociology of Culture	3
or COMM 2533 (48C:024)	Media Literacy	
Total Hours		15

2. Digital Computation (15 hours)

Computer Science:		
CS 1025 (810:025)	Computational Modeling and Simulation	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)	Technology in Education	3
INSTTECH 4138/5138 (240:138g)	Visual Literacy	3
INSTTECH 4139/5139 (240:139g)	Instructional Multimedia Planning and Production	3
INSTTECH 4150/5150 (240:150g)	Digital Instructional Video Production	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 (select two of the following):		
MUS THEO 1100 (580:010)	Introduction to Music Theory	
MUS THEO 1110 (580:011)	Theory I	
MUS THEO 1120 (580:012)	Theory II	
MUS THEO 1150 (580:015)	Aural Training I	
MUS THEO 3220/5220 (580:122g)	Music and Technology	
MUS THEO 3230/5230 (580:123g)	Music Technology, Advanced	
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	
Music electives (select 2-3 hours from the following) - consent of instructor and other requirements apply to various classes		2-3
Music, Applied:		

List of Programs by Department

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 (16 hours)

Graphic Technologies:		
TECH 1022 (330:022)	Communication Technology	4
TECH 2020 (330:020)	Communication Systems	3
TECH 3169 (330:169)	Digital Imaging I	3
TECH 3144 (330:144)	Web Publishing	3
or TECH 3150/5150 (330:150g)	Graphic Communications Imaging	
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	3
Total Hours		16

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 2533 (48C:024)	Media Literacy	3
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	3
COMM COR 2020 (48C:080)	Introduction to 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)	Global Mass Communication Systems	3
or SOC 2040 (980:156g)	Social Movements	
Total Hours		15

Political Communication Major

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

Required core

Communication Studies:		
COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	3
COMM 4216/5216 (48C:160g)	Political Communication	3
or POL AMER 4160/5160	Political Communication	
COMM 4444/5444 (48C:155g)	Communication, Community, and Change	3
COMM COR 1010 (48J:002)	Mass Communication and Society	3
Political Science:		
POL AMER 1014 (942:014)	Introduction to American Politics *	3
POL AMER 3112 (942:112)	Campaigns and Elections	3
POL AMER 3150 (942:150)	Public Opinion and Voting Behavior	3

Methodology:

Select one of the following from Communication Studies/Political Science:		
COMM COR 2020 (48C:080)	Introduction to Research Methods *	
COMM 4023/5023 (48C:189g)	Rhetorical Communication Research Methods *	
POL GEN 2010 (940:010)	Analyzing Politics	

Internship in Communication Studies/Political Science:

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):

Communication Studies:		
COMM 2257 (48C:074)	Argumentation and Debate *	
COMM 2533 (48C:024)	Media Literacy	
COMM 3055 (48C:132)	Organizational Communication *	

List of Programs by Department

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)	Technology and Human 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

* *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: 3		
COMM 2555 (48C:025)	Interactive Digital Communication	3
or ENGLISH 2770 (620:077)	Introduction to Professional Writing	
Communication or Management: 3		
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

List of Programs by Department

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) Introduction to Communication 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) Introduction to 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 48C:xxx 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

Communication:

COMM 1000 (48C:001) Oral Communication 3

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 2533 (48C:024) Media Literacy 3

COMM 4559/5559 (48C:187g) Teaching of Speech 3

Option A or B (below): 10-12

Option A: Communication

Select one of the following:

COMM 1940/3940 Applied Forensics

COMM 1941/3941 Applied Performance Studies

COMM 2255 (48C:071) Public Speaking **

COMM 2455 (48C:015) Group Performance: Scripting and Directing

Theatre:

Select one of the following:

THEATRE 3000 (490:101)	Creative Drama	
THEATRE 3100/CAP 3106 (CAP:106)	Theatre in Education	
Option B: Theatre:		
Threatre:		
THEATRE 1012 (490:015)	Stagecraft: Scenery/Lights ***	
THEATRE 1030 (490:024)	Acting ***	
THEATRE 3020 (490:138)	Playscript Analysis and Interpretation	
THEATRE 3160 (490:161)	Directing	
Total Hours		28-30

** 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 Print 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)	Online Journalism	
COMM J 3900 (48J:197)	Internship in Journalism	
COMM J 4711/5711 (48J:121g)	History of Mass Communication	
COMM J 4715/5715 (48J:178g)	Specialized Reporting: (Topics)	
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)	Introduction to 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)	Technology and Human 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

List of Programs by Department

1. Digital Visualization (15 hours)

Sociology:		
SOC 1000 (980:001)	Introduction to Sociology	3
SOC 2020 (980:080)	Statistics for Social Research	3
SOC 2010 (980:108)	Research Methods	3
or COMM COR 2020 (48C:080)	Introduction to Research Methods	
Communication:		
COMM 4556/5556	Interactive Digital Visualization	3
Sociology or Communication:		
SOC 3060/5060 (980:138g)	Sociology of Culture	3
or COMM 2533 (48C:024)	Media Literacy	
Total Hours		15

2. Digital Computation (15 hours)

Computer Science:		
CS 1025 (810:025)	Computational Modeling and Simulation	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)	Technology in Education	3
INSTTECH 4138/5138 (240:138g)	Visual Literacy	3
INSTTECH 4139/5139 (240:139g)	Instructional Multimedia Planning and Production	3
INSTTECH 4150/5150 (240:150g)	Digital Instructional Video Production	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 (select two of the following):		
MUS THEO 1100 (580:010)	Introduction to Music Theory	
MUS THEO 1110 (580:011)	Theory I	
MUS THEO 1120 (580:012)	Theory II	
MUS THEO 1150 (580:015)	Aural Training I	
MUS THEO 3220/5220 (580:122g)	Music and Technology	
MUS THEO 3230/5230 (580:123g)	Music Technology, Advanced	
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	
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 (16 hours)

Graphic Technologies:		
TECH 1022 (330:022)	Communication Technology	4
TECH 2020 (330:020)	Communication Systems	3
TECH 3169 (330:169)	Digital Imaging I	3
TECH 3144 (330:144)	Web Publishing	3
or TECH 3150/5150 (330:150g)	Graphic Communications Imaging	
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	3
Total Hours		16

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 2533 (48C:024)	Media Literacy	3
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	3
COMM COR 2020 (48C:080)	Introduction to 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)	Global Mass Communication Systems	3
or SOC 2040 (980:156g)	Social Movements	
Total Hours		15

Master of Arts Degree Program

Major in Communication Studies

Detailed information on the major, including directions for procedures to follow for applying, in planning a program, and requesting assignment of an advisor, may be obtained from the Head of the Department of Communication Studies, the Director of Graduate Studies, or on the department’s Web page at the following address: www.uni.edu/commstudies/graduate-program.

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 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)	Technology and Human Communication	
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	

List of Programs by Department

COMMGRAD 6042 Seminar in Communication (48C:222)	
COMMGRAD 6043 Interpersonal Communication (48C:244)	
COMMGRAD 6044 Seminar in Performance Studies (48C:212)	
Total Hours	33

Thesis Option

Required Core:	
COMMGRAD 6001 Introduction to Graduate (48C:201,48E:201,48P:201) Study and Research	3
COMMGRAD 6011 Communication Theory (48C:224)	3
COMMGRAD 6022 Communication Research (48C:236) Methodology	3
COMMGRAD 6045 Seminar in Communication (48C:282) Education	3
COMMGRAD 6299 Research (48C:299,48E:299,48P:299)	6
Electives (select 12 hours from the following):	12

POSTSEC 6256 The Two-Year College (170:256)	
COMM 4111/5111 Group Communication (48C:131g) Theory and Analysis	
COMM 4134/5134 Organizational Cultures and (48C:134g) Communication	
COMM 4211/5211 Rhetoric and Civic Culture (48C:123g)	
COMM 4311/5311 Nonverbal Communication (48C:121g)	
COMM 4316/5316 Mediation Theory and Process (48C:136g)	
COMM 4322/5322 Advanced Interpersonal (48C:144g) Communication	
COMM 4333/5333 Communication and Conflict (48C:148g) Management	
COMM 4344/5344 Intercultural Communication (48C:151g)	
COMM 4346/5346 Gender Issues in (48C:153g) Communication	
COMM 4347/5347 Family Communication (48C:142g)	
COMM 4355/5355 Listening (48C:141g)	
COMM 4411/5411 Language and Communication (48C:122g)	
COMM 4544/5544 Technology and Human (48C:120g) Communication	
COMMGRAD 6014 Critical and Cultural Studies (48C:251) in Communication	
COMMGRAD 6041 Seminar in Organizational (48C:232) Communication	
COMMGRAD 6042 Seminar in Communication (48C:222)	
COMMGRAD 6043 Interpersonal Communication (48C:244)	
COMMGRAD 6044 Seminar in Performance (48C:212) Studies	
COMMGRAD 6045 Seminar in Communication (48C:282) Education	
COMMGRAD 6046 Seminar in Mass (48E:222) Communication	
Total Hours	30

General Communication Emphasis

Non-thesis Option

Required Core:	
COMMGRAD 6001 Introduction to Graduate (48C:201,48E:201,48P:201) Study and Research	3
COMMGRAD 6011/6016/6018 Communication Theory	3
COMMGRAD 6022 Communication Research (48C:236) Methodology	3
Select one of the following 200/6000-level seminars:	3

COMMGRAD 6027 Seminar in Public Relations (6 (48P:282) hrs.)	
COMMGRAD 6041 Seminar in Organizational (48C:232) Communication	
COMMGRAD 6042 Seminar in Communication (48C:222)	
COMMGRAD 6044 Seminar in Performance (48C:212) Studies	
COMMGRAD 6045 Seminar in Communication (48C:282) Education	
COMMGRAD 6046 Seminar in Mass (48E:222) Communication	
COMMGRAD 6027 Seminar in Public Relations (48P:282)	

Electives (select 21 hours from the following): 21

COMMGRAD 6014 Critical and Cultural Studies (48C:251) in Communication	
COMMGRAD 6016 Mass Communication Theory (48E:224)	
COMMGRAD 6022 Communication Research (48C:236) Methodology (an additional section/s of this besides what is required))	
COMMGRAD 6027 Seminar in Public Relations (48P:282)	
COMMGRAD 6041 Seminar in Organizational (48C:232) Communication	
COMMGRAD 6042 Seminar in Communication (48C:222)	
COMMGRAD 6043 Interpersonal Communication (48C:244)	
COMMGRAD 6044 Seminar in Performance (48C:212) Studies	
COMMGRAD 6045 Seminar in Communication (48C:282) Education	
COMMGRAD 6046 Seminar in Mass (48E:222) Communication	
Other 200/6000-level or 100g/5000-level (approved through MyUniverse student request)	
Total Hours	33

Thesis Option

Required Core		18
COMMGRAD 6001 Introduction to Graduate (48C:201,48E:201,48P:201) Study and Research		
COMMGRAD 6011/6016/6018 Communication Theory		
COMMGRAD 6022 Communication Research (48C:236) Methodology		
Select one of the following 200/6000-level seminars:		

List of Programs by Department

COMMGRAD 6027	Seminar in Public Relations (48P:282)	
COMMGRAD 6042	Seminar in Communication (48C:222)	
COMMGRAD 6041	Seminar in Organizational Communication (48C:232)	
COMMGRAD 6044	Seminar in Performance Studies (48C:212)	
COMMGRAD 6045	Seminar in Communication Education (48C:282)	
COMMGRAD 6046	Seminar in Mass Communication (48E:222)	
COMMGRAD 6299	Research (6 hrs.) (48C:299,48E:299,48)	
Electives (select 12 hours from the following):		12
COMMGRAD 6014	Critical and Cultural Studies in Communication (48C:251)	
COMMGRAD 6016	Mass Communication Theory (48E:224)	
COMMGRAD 6022	Communication Research Methodology (an additional section/s of this besides what is required.) (48C:236)	
COMMGRAD 6027	Seminar in Public Relations* (48P:282)	
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 6045	Seminar in Communication Education (48C:282)	
COMMGRAD 6046	Seminar in Mass Communication (48E:222)	
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	Introduction to Graduate Study and Research (48C:201,48E:201,48P:201)	3
COMMGRAD 6016/6018	Mass Communication Theory	3
COMMGRAD 6022	Communication Research Methodology (48C:236)	3
COMMGRAD 6046/6048	Seminar in Mass Communication	3

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

COMMGRAD 6014	Critical and Cultural Studies in Communication (48C:251)	
COMMGRAD 6042	Seminar in Communication (48C:222)	

COMM EM 4600/5600	Selected Topics in Electronic Media (48E:166g)	
COMM EM 4611/5611	Electronic Media Industries: (Topic) (48E:139g)	
COMM EM 4616/5616	Electronic Media: Processes and Effects (48E:141g)	
COMM EM 4633/5633	Electronic Media Criticism: (Topic) (48E:123g)	
COMM EM 4636/5636	Electronic Media: Law and Policy (48E:132g)	
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)	
COMM EM 4656/5656	Electronic Media Management (48E:134g)	
COMM EM 6285 (Readings)		
COMM EM 6286 (Studies in)		
COMMGRAD 6046	Seminar in Mass Communication (first course/topic counts toward core requirement; additional course(s)/topic(s) count as electives) (48E:222)	
COMMGRAD 6900	Graduate Internship (48C:292,48E:292,48P:292)	
COMM J 4711/5711	History of Mass Communication (48J:121g)	
COMM J 4715/5715	Specialized Reporting: (Topics) (48J:178g)	
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 3844/5844	Public Relations: Integrated Communications (48P:184g)	
COMM PR 4811/5811	Public Relations: Cases and Studies (48P:188g)	
COMM PR 4822/5822	Global Public Relations (48P:170g)	
COMM PR 4855/5855	Public Relations Campaign Methods (48P:182g)	

List of Programs by Department

COMMGRAD 6027 Seminar in Public Relations (48P:282)	
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 Introduction to Graduate (48C:201,48E:201,48P: Study and Research	3
COMMGRAD 6016/6018 Mass Communication Theory	3
COMMGRAD 6022 Communication Research (48C:236) Methodology	3
COMMGRAD 6046/6048 Seminar in Mass Communication	3
COMMGRAD 6299 Research (6 hrs.) (48C:299,48E:299,48P: Study and Research	6

Select 12 hours of electives from the following: * 12

COMMGRAD 6014 Critical and Cultural Studies (48C:251) in Communication	
COMMGRAD 6027 Seminar in Public Relations (48P:282)	
COMMGRAD 6042 Seminar in Communication (48C:222)	
COMM EM 4600/5600 Selected Topics in Electronic Media (48E:166g)	
COMM EM 4611/5611 Electronic Media Industries: (Topic) (48E:139g)	
COMM EM 4616/5616 Electronic Media: Processes and Effects (48E:141g)	
COMM EM 4633/5633 Electronic Media Criticism: (Topic) (48E:123g)	
COMM EM 4636/5636 Electronic Media: Law and Policy (48E:132g)	
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)	
COMM EM 4656/5656 Electronic Media Management (48E:134g)	
COMMGRAD 6046 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 Graduate Internship (48C:292,48E:292,48P:292)

COMM J 4711/5711 History of Mass (48J:121g) Communication	
COMM J 4743/5743 Mass Communication Law (48J:132g) and Ethics	
COMM J 4754/5754 Global Mass Communication (48J:151g) Systems	
COMM J 4735/5735 Advanced Reporting (48J:171g)	
COMM J 4765/5765 Feature Writing (48J:176g)	
COMM J 4715/5715 Specialized Reporting: (48J:178g) (Topics)	
COMM PR 3844/5844 Public Relations: Integrated (48P:184g) Communications	
COMM PR 4811/5811 Public Relations: Cases and (48P:188g) Studies	
COMM PR 4822/5822 Global Public Relations (48P:170g)	
COMM PR 4855/5855 Public Relations Campaign (48P:182g) 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 Introduction to Graduate (48C:201,48E:201,48P: Study and Research	3
COMMGRAD 6011/6016/6018 Communication Theory	3
COMMGRAD 6022 Communication Research (48C:236) Methodology	3
COMMGRAD 6041 Seminar in Organizational (48C:232) Communication (6 hrs.)	6
COMMGRAD 6045 Seminar in Communication (48C:282) Education	3

Department Electives (select 15 hours from the following): *

COMM 4116/5116 Health Communication (48C:138g)	
COMM 4134/5134 Organizational Cultures and (48C:134g) Communication	
COMM 4155/5155 Organizational (48C:135g) Communication Assessment	
COMM 4333/5333 Communication and Conflict (48C:148g) Management	
COMM 4344/5344 Intercultural Communication (48C:151g)	
COMM 4346/5346 Gender Issues in (48C:153g) Communication	
COMMGRAD 6014 Critical and Cultural Studies (48C:251) in Communication	

List of Programs by Department

COMMGRAD 6027	Seminar in Public Relations (48P:282)	
COMMGRAD 6041	Seminar in Organizational Communication (first course/topic counts toward core requirement; additional course(s)/topic(s) count as electives)	
COMMGRAD 6042	Seminar in Communication (48C:222)	
COMMGRAD 6044	Seminar in Performance Studies (48C:212)	
COMMGRAD 6045	Seminar in Communication Education (48C:282)	
COMMGRAD 6046	Seminar in Mass Communication (48E:222)	
Total Hours		33

* With no more than 6 hours taken outside the department. First and second seminar 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.

Thesis Option

Required Core

COMMGRAD 6001	Introduction to Graduate (48C:201,48E:201,48P: Study and Research	3
COMMGRAD 6011/6016/6018	Communication Theory	3
COMMGRAD 6022	Communication Research (48C:236) Methodology	3
COMMGRAD 6041	Seminar in Organizational Communication (48C:232)	6
COMMGRAD 6045	Seminar in Communication Education (48C:282)	3
COMMGRAD 6299	Research (48C:299,48E:299,48P:299)	6

Electives (select 6 hours from the following): *

COMM 4116/5116	Health Communication (48C:138g)	
COMM 4134/5134	Organizational Cultures and Communication (48C:134g)	
COMM 4155/5155	Organizational Communication Assessment (48C:135g)	
COMM 4333/5333	Communication and Conflict Management (48C:148g)	
COMM 4344/5344	Intercultural Communication (48C:151g)	
COMM 4346/5346	Gender Issues in Communication (48C:153g)	
COMMGRAD 6014	Critical and Cultural Studies in Communication (48C:251)	
COMMGRAD 6027	Seminar in Public Relations (48P:282)	

COMMGRAD 6041	Seminar in Organizational Communication (first course/topic counts toward core requirement; additional course(s)/topic(s) count as electives)	
COMMGRAD 6042	Seminar in Communication (48C:222)	
COMMGRAD 6044	Seminar in Performance Studies (48C:212)	
COMMGRAD 6045	Seminar in Communication Education (48C:282)	
COMMGRAD 6046	Seminar in Mass Communication (48E:222)	
Total Hours		30

* With no more than 3 hours taken outside the department. First and second 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.

Performance Studies Emphasis

Non-thesis Option

Required Core

COMMGRAD 6001	Introduction to Graduate (48C:201,48E:201,48P: Study and Research	3
COMMGRAD 6011/6016/6018	Communication Theory	3
COMMGRAD 6022	Communication Research (48C:236) Methodology	3
COMMGRAD 6044	Seminar in Performance Studies (48C:212)	3

Electives (select 21 hours from the following): *

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	Technology and Human 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)	

List of Programs by Department

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 4715/5715 (620:108g)	Craft of Poetry	
ENGLISH 4725/5725 (620:109g)	Craft of Fiction	
ENGLISH 4740/5740 (620:174g)	Poetry Workshop	
ENGLISH 4750/5750 (620:175g)	Fiction Workshop	
Total Hours		33

* With no more than 9 hours taken outside the department.

Thesis Option:

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:2)	Introduction to Graduate Study and Research	3
COMMGRAD 6011/6016/6018	Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	3
COMMGRAD 6299 (48C:299,48E:299,48P:2)	Research (6 hrs.)	6
Electives (select 12 hours from the following):		12
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4411/5411 (48C:122g)	Language and Communication	

COMM 4444/5444 (48C:155g)	Communication, Community, and Change	
COMM 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	
COMM 4447/5447 (48C:108g)	Performance and Social Change	
COMM 4448/5448 (48C:110g)	Cultural Performance	
COMM 4490/5490 (48C:117g)	Interpreters Theatre Production	
COMM 4544/5544 (48C:120g)	Technology and Human Communication	
COMM 4909/5909 (48C:119g)	Readings in Performance Studies	
COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
COMMGRAD 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 4715/5715 (620:108g)	Craft of Poetry	
ENGLISH 4725/5725 (620:109g)	Craft of Fiction	
ENGLISH 4740/5740 (620:174g)	Poetry Workshop	
ENGLISH 4750/5750 (620:175g)	Fiction Workshop	
Total Hours		30

* With no more than 9 hours taken outside the department.

Public Relations Emphasis

Non-thesis Option

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011/6016/6018	Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	3
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	3

Electives (select 18 hours from the following):

COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	3
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	3
COMMGRAD 6042 (48C:222)	Seminar in Communication	3
COMMGRAD 6043 (48C:244)	Interpersonal Communication	3
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	3
COMMGRAD 6045 (48C:282)	Seminar in Communication Education	3
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	3
COMMGRAD 6048 (48P:222)	Seminar in Mass Communication (first course/topic counts toward core requirement; additional course(s)/topic(s) count as electives)	3
COMMGRAD 6285	(Readings)	3
COMMGRAD 6286	(Studies in)	3
COMMGRAD 6900 (48C:292,48E:292,48P:292)	Graduate Internship	3
COMM 3000/5000 (48C:166g)	Selected Topics in Communication	3
COMM EM 4600/5600 (48E:166g)	Selected Topics in Electronic Media	3
COMM J 4711/5711 (48J:121g)	History of Mass Communication	3
COMM J 4715/5715 (48J:178g)	Specialized Reporting: (Topics)	3
COMM J 4735/5735 (48J:171g)	Advanced Reporting	3
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics	3
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems	3
COMM J 4765/5765 (48J:176g)	Feature Writing	3
COMM PR 4811/5811 (48P:188g)	Public Relations: Cases and Studies	3

COMM PR 4822/5822 (48P:170g)	Global Public Relations	3
COMM PR 4855/5855 (48P:182g)	Public Relations Campaign Methods	3
Total Hours		33

* First seminar course/topic can count toward core requirement; additional course(s)/topic(s) count as electives.

Thesis Option

Required Core

COMMGRAD 6001 (48C:201,48E:201,48P:201)	Introduction to Graduate Study and Research	3
COMMGRAD 6011 (48C:224)	Communication Theory	3
or COMMGRAD 6016 (48E:224)	Mass Communication Theory	3
or COMMGRAD 6018 (48P:224)	Mass Communication Theory	3
COMMGRAD 6022 (48C:236)	Communication Research Methodology	3
COMMGRAD 6027 (48P:282)	Seminar in Public Relations	3
COMMGRAD 6299 (48C:299,48E:299,48P:299)	Research (6 hrs.)	6
COMM PR 3844/5844 (48P:184g)	Public Relations: Integrated Communications	3

Electives (select 9 hours from the following): *

COMMGRAD 6014 (48C:251)	Critical and Cultural Studies in Communication	3
COMMGRAD 6041 (48C:232)	Seminar in Organizational Communication	3
COMMGRAD 6042 (48C:222)	Seminar in Communication	3
COMMGRAD 6043 (48C:244)	Interpersonal Communication	3
COMMGRAD 6044 (48C:212)	Seminar in Performance Studies	3
COMMGRAD 6046 (48E:222)	Seminar in Mass Communication	3
COMMGRAD 6048 (48P:222)	Seminar in Mass Communication (first course/topic counts toward core requirement; additional course(s)/topic(s) count as electives)	3
COMMGRAD 6285	(Readings)	3
COMMGRAD 6286	(Studies in)	3
COMMGRAD 6900 (48C:292,48E:292,48P:292)	Graduate Internship	3
COMM J 4711/5711 (48J:121g)	History of Mass Communication	3
COMM J 4715/5715 (48J:178g)	Specialized Reporting: (Topics)	3
COMM J 4735/5735 (48J:171g)	Advanced Reporting	3
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics	3
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems	3

List of Programs by Department

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

* First seminar course/topic can count toward core requirement; additional 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 graduate program, 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**
 - Certificate in Computer Applications
 - Certificate in Computer Science
 - Certificate in Software Testing

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, 810:030 and 810:036 are regressive to 810:052 and any course having it as prerequisite.
6. All computer science majors must complete the department's core assessment exam before enrolling in any 100-level course/course numbered 2420 or above required for their major.
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

Research:

CS 4800 (810:180)	Undergraduate Research in Computer Science (topic pre-approved by department)	1
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Electives

Mathematics:

Select four from the following: 13

MATH 1420 (800:060)	Calculus I [^] ,#	
MATH 1421 (800:061)	Calculus II [#]	
MATH 2500 (800:076)	Linear Algebra for Applications	
MATH 3440/5440 (800:176g)	Numerical Analysis	
MATH 3530/5530 (800:143g)	Combinatorics	
MATH 3752/5752 (800:152g)	Introduction to Probability	
STAT 1772 (800:072)	Introduction to Statistical Methods	

Computer Science: 24

Eight courses including:

- A specialization of three courses from the Foundations area
- A specialization of three courses from one other area
- One course from each of the remaining two areas
- One of the specializations 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

List of Programs by Department

CS 3610/5610 (810:161g)	Artificial Intelligence #	
CS 3810/5810 (810:181g)	Theory of Computation	
CS 4550/5550 (810:155g)	Translation of Programming Languages *	
CS 4620/5620 (810:162g)	Intelligent Systems *	
CS 4880/5880 (810:188g)	Topics in Computer Science	
Information Science:		
CS 3120/5120 (810:112g)	User Interface Design *	
CS 3140/5140 (810:114g)	Database Systems	
CS 3150/5150 (810:115g)	Information Storage and Retrieval	
Software Engineering:		
CS 2720 (810:172)	Software Engineering	
CS 3730/5730 (810:173g)	Project Management *	
CS 3750/5750 (810:175g)	Software Testing *	
CS 4740/5740 (810:174g)	Real-Time Embedded Systems *.#	
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 *	
Electives:		6
Two additional courses selected from some of the computer science "area" courses, CS 2650 (810:165), CS 3650/5650 (810:166g) and 100/300-level courses meeting the mathematics requirements.		
Total Hours		61

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

* One course marked with an asterisk must be completed.

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.

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
Electives		

List of Programs by Department

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 selected specialty	
One course from each of the other three areas	
Foundations:	
CS 3530 (810:153)	Design and Analysis of Algorithms
CS 3540 (810:154)	Programming Languages and Paradigms
CS 3610/5610 (810:161g)	Artificial Intelligence [#]
CS 3810/5810 (810:181g)	Theory of Computation
CS 4550/5550 (810:155g)	Translation of Programming Languages [*]
CS 4620/5620 (810:162g)	Intelligent Systems [*]
CS 4880/5880 (810:188g)	Topics in Computer Science
Information Science:	
CS 3120/5120 (810:112g)	User Interface Design [*]
CS 3140/5140 (810:114g)	Database Systems
CS 3150/5150 (810:115g)	Information Storage and Retrieval
Software Engineering:	
CS 2720 (810:172)	Software Engineering
CS 3730/5730 (810:173g)	Project Management [*]
CS 3750/5750 (810:175g)	Software Testing [*]
CS 4740/5740 (810:174g)	Real-Time Embedded Systems ^{*,#}
Systems:	
CS 2420 (810:142)	Computer Architecture
CS 4400/5400 (810:140g)	System Administration [*]
CS 4410/5410 (810:141g)	System Security [*]
BIOL 4143/5143 (840:143g)	Biogeography and Origins of Diversity
CS 3470/5470 (810:147g)	Networking

Electives 3

One additional course selected from among any computer science "area" courses, CS 2650 (810:165), CS 3650/5650 (810:166g), and 100/3000-level courses meeting the mathematics requirement.

Total Hours 44

[^] 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 (marked with an asterisk) must be taken as one of the three in an area of specialization.

[#] 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.

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).

Total Hours 26

Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following certificates, contact the Department of Computer Science or the Office of the Registrar, which serves as the centralized registry.

Certificate in Computer Applications

Required

CS 1000 (810:021)	Computing Skills and Concepts	3
CS 1010 (810:022)	Microcomputer Applications and Systems Integration	3
CS 1020 (810:023)	Microcomputer Systems	3

Electives

Computer Science: 3		
CS 1130 (810:030)	Visual BASIC Programming	
CS 2880 (810:088)	Topics in Computing	
Other courses pre-approved by the Computer Science Department		

Total Hours 12

Certificate in Computer Science

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:		3-4
CS 1120 (810:056)	Media Computation	
CS 1130 (810:030)	Visual BASIC Programming	
CS 1140	Introduction to Programming Environments for Education	
CS 1160 (810:036)	C/C++ Programming	
CS 1510 (810:051)	Introduction to Computing	
Total Hours		13-14

Certificate in Software Testing

The Certificate in Software Testing prepares students for employment as testers of software that is created for their major field of study. Their major field of study gives students domain knowledge and the certificate program teaches them the computer skills needed for testing.

Required

Computer Science:		
CS 1071 (810:024)	Software Applications for Testing	3
CS 1072 (810:071)	Software Requirements Analysis	3
CS 1130 (810:030)	Visual BASIC Programming	3
CS 1800 (810:080)	Discrete Structures	3
CS 3750/5750 (810:175g)	Software Testing	3
Total Hours		15

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.)

Curriculum and Instruction: Instructional Technology
Performance and Training Technology
School Library Studies

Graduate Majors (M.A.E.)

Curriculum and Instruction: Early Childhood Education

Curriculum and Instruction: Elementary Education
Curriculum and Instruction: Literacy Education

Graduate Major (Ed.D.)

Doctor of Education: Curriculum and Instruction intensive study area

Program Certificate

Instructional Technology Facilitator Certificate

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

Instructional Technology:

INSTTECH 1031 (240:031)	Educational Technology and Design	3
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Level I

Educational Psychology:

EDPSYCH 2017 (200:017)	Field Experience: Exploring Teaching	1
EDPSYCH 2030 (200:030)	Dynamics of Human Development	3

Level II

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

Educational Psychology:

EDPSYCH 3128 (200:128)	Field Experience: Teacher as Change Agent	1
EDPSYCH 3148 (200:148)	Learning and Instruction in Classroom Contexts	3

Human Relations:

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

MEASRES 3150 (250:150)	Classroom Assessment	2
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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: 12

List of Programs by Department

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

II. Early Childhood Education Major Requirements

Required:

Applied Human Sciences, School of:		2
NUTR 1031 (310:031)	Nutrition for Early Childhood Education	
Educational Psychology:		3
EDPSYCH 4109/5109 (200:109g)	Development and Assessment of Young Children	
Elementary, Early Childhood, and Middle Level Education:		20
ELEMECML 3161 (210:161)	Teaching Elementary School Science	
ELEMECML 3164 (210:164)	Teaching Elementary School Social Studies	
ELEMECML 4121/5121 (210:121g)	Infant and Toddler Curriculum and Guidance	
ELEMECML 4130/5130 (210:130g)	Guidance and Instruction in Early Childhood Education	
ELEMECML 4149/5149 (210:149g)	Child, Family, School and Community Relationships	
ELEMECML 4151/5151 (210:151g)	Early Childhood Curriculum Development and Organization	
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:		13
MATH 1201 (800:031)	Mathematical Reasoning for Teaching I	
MATH 3202 (800:131)	Mathematical Reasoning for Teaching II	
MATH 3203 (800:134)	Teaching Mathematics in the Elementary School	
MATH 3211 (800:111g)	Introduction to Algebraic Thinking for Elementary Teachers	
Science Education:		11-12
SCI ED 1200 (820:032)	Inquiry into Life Science	
SCI ED 1300 (820:031)	Inquiry into Physical Science	
One of the following:		
SCI ED 1100 (820:033)	Inquiry into Earth and Space Science	
EARTHSCI 1100 (870:010)	Astronomy	

EARTHSCI 1200 (870:021)	Elements of Weather	
EARTHSCI 1300 (870:031)	Introduction to Geology	
Total Hours		55-56

Students seeking dual endorsement, Early Childhood Education with Elementary, may do so by completing a program which includes the following additional course work:

Elementary, Early Childhood, and Middle Level Education:		6
ELEMECML 3120 (210:120)	Classroom Management K-8	
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	
Health Promotion and Education/Physical Education/ Health, Physical Education and Lesiure Services- Interdepartmental:		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	
Literacy Education:		3
LITED 3116 (230:116)	Methods of Teaching Content Literacy in the Intermediate Grades	
Total Hours		15-20

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

List of Programs by Department

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

* 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
EDPSYCH 2017 (200:017)	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.)

Educational Psychology:		4
EDPSYCH 3128 (200:128)	Field Experience: Teacher as Change Agent	
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	
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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	

List of Programs by Department

PEMES 2045 (420:045)	Physical Education for the Elementary Grades	
Mathematics:		13
MATH 1201 (800:031)	Mathematical Reasoning for Teaching I	
MATH 3202 (800:131)	Mathematical Reasoning for Teaching II	
MATH 3203 (800:134)	Teaching Mathematics in the Elementary School	
MATH 3211 (800:111g)	Introduction to Algebraic Thinking for Elementary Teachers	
Science Education/Earth Science:		11-12
SCI ED 1200 (820:032)	Inquiry into Life Science	
SCI ED 1300 (820:031)	Inquiry into Physical Science	
and one of the following courses:		
SCI ED 1100 (820:033)	Inquiry into Earth and Space Science	
EARTHSCI 1100 (870:010)	Astronomy	
EARTHSCI 1200 (870:021)	Elements of Weather	
EARTHSCI 1300 (870:031)	Introduction to Geology	
Total Hours		51-57

* 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	
Mathematics:		
MATH 3203 (800:134)	Teaching Mathematics in the Elementary School	

To be eligible for the courses in the Professional Semester block, students must have completed Level II of the Professional Education Requirements, a curriculum course [ELEMECML 4150/5150 (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 the following courses:

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	
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

Required:

Instructional Technology:	8-9
INSTTECH 1020 (240:020)	Secondary Educational Technology and Design
or INSTTECH 1031 (240:031)	Educational Technology and Design
INSTTECH 1030 (240:030)	Creating Technology-Enhanced Learning Environments
INSTTECH 4131/5131 (240:131g)	Technology in Education
Electives (must be approved by program advisor):	9
INSTTECH 3186 (240:186)	Studies in Media (Studies in)
INSTTECH 4138/5138 (240:138g)	Visual Literacy

List of Programs by Department

INSTTECH 4139/5139 (240:139g)	Instructional Multimedia Planning and Production	
INSTTECH 4140/5140 (240:140g)	Data-Driven Decision Making in Education	
INSTTECH 4147/5147 (240:147g)	Digital Imaging	
INSTTECH 4150/5150 (240:150g)	Digital Instructional Video Production	
INSTTECH 4153/5153 (240:153g)	Emerging Instructional Technologies	
INSTTECH 4160 (240:160)	Instructional Technology Projects	
INSTTECH 4170/5170 (240:170g)	Web-based Instructional Development	
Total Hours		17-18

Literacy Education Minor -Teaching

Required:		
Literacy Education:		4
LITED 3140 (230:140)	Assessment and Evaluation of Literacy	
LITED 4193/5193 (230:193g)	Experience in Reading: 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 3147 (230:147)	Remedial Reading	3
LITED 3192 (230:192)	Experience in Reading: 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 3147 (230:147)	Remedial Reading	3
LITED 3192 (230:192)	Experience in Reading: Tutoring	3

LITED 4117/5117 (230:117g)	Methods of Teaching Content Literacy at the Middle and Secondary Levels	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
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 Curriculum and Instruction: 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 contact the Department of Curriculum and Instruction for other admission 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 35-44 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:

Curriculum and Instruction:	3
ELEMECML 6201 Issues and Trends in (210:201) Curriculum	
Literacy Education	3
LITED 6212 Methods and Materials in (230:212) Literacy Education	
Instructional Technology:	14
INSTTECH Instructional Multimedia 4139/5139 Planning and Production (240:139g)	
INSTTECH 6232 Selection and Integration of (240:232) Instructional Technology	
INSTTECH 6237 Coordinating Technology in (240:237) an Educational Setting	
INSTTECH 6240 Instructional Design (240:240)	
INSTTECH 6289 Seminar in Instructional (240:289) Technology	
Measurement and Research:	3
MEASRES 6205 Educational Research (250:205)	
Research:	2-6
INSTTECH 6299 Research (240:299)	
Thesis Option (6 hours)	
Non-thesis Option (2 hours)	

Electives: Choose Option 1 or 2 below:	6-15
Option 1 (6 hours - thesis) (10 hours - non-thesis)	
Option 2 (15 hours)	
Total hours Option 1 - thesis or non-thesis option	35
Total hours Option 2 thesis option	44
Total hours Option 2 non-thesis option	40

Option 1

Electives:

Educational Psychology:

 EDPSYCH 6214 Foundations of Instructional
 (200:214) Psychology

Instructional Technology:

 INSTTECH Technology in Education
 4131/5131
 (240:131g)

 INSTTECH Visual Literacy
 4138/5138
 (240:138g)

 INSTTECH Data-Driven Decision Making
 4140/5140 in Education
 (240:140g)

 INSTTECH Digital Imaging
 4147/5147
 (240:147g)

 INSTTECH Digital Instructional Video
 4150/5150 Production
 (240:150g)

 INSTTECH Emerging Instructional
 4153/5153 Technologies
 (240:153g)

 INSTTECH Web-based Instructional
 4170/5170 Development
 (240:170g)

 INSTTECH 6205 Instructional Computing
 (240:205) Design

 INSTTECH 6210 Distance Education
 (240:210)

 INSTTECH 6260 Advanced Instructional
 (240:260) Technology Projects

 INSTTECH 6285 Readings in Instructional
 (240:285) Technology

 INSTTECH 6286 Studies in Instructional
 (240:286) Technology

 INSTTECH 6297 Practicum in Instructional
 (240:297) Technology

Option 2

Electives:

School Library Studies:

 SLS 4114/5114 Introduction to the School
 (350:114g) Library Program

 SLS 4132/5132 Library Resources for
 (350:132g) Children

 or SLS 4134/5134 Library Resources for Young Adults
 (350:134g)

 SLS 6225 (350:225) Administration of the School
 Library Program

List of Programs by Department

SLS 6250 (350:250) Reference Services and Information Retrieval

SLS 6290 (350:290) Practicum (3 hrs.)

Major in Performance and Training Technology

This major is offered by the Department of Curriculum and Instruction as a program in performance and training technology for persons planning to work in non-K-12 school or corporate settings.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Curriculum and Instruction for other admission 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 is designed for a **minimum of 35 semester hours. 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 examination prepared and administered by the thesis committee. The examination will be comprehensive in nature and will normally accompany the thesis defense. A student completing the thesis option must include 6 hours of INSTTECH 6299 (240:299) Research 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 portfolio at the end of the student's program of study.

Majors in this area will complete a basic core of course work applicable to all preparing to work as trainers, instructional designers, or production specialists. Specific areas of interest will determine the supporting electives. Teacher licensure is not required. The student's baccalaureate degree may be in any field.

Required:

Instructional Technology:	14
INSTTECH 4139/5139 (240:139g)	Instructional Multimedia Planning and Production
INSTTECH 6235 (240:235)	Performance Management and Technology
INSTTECH 6240 (240:240)	Instructional Design
INSTTECH 6245 (240:245)	Applied Instructional Design
INSTTECH 6289 (240:289)	Seminar in Instructional Technology
Measurement and Research:	3
MEASRES 6205 (250:205)	Educational Research
Research:	2-6
INSTTECH 6299 (240:299)	Research
Thesis Option (6 hours)	

Non-thesis Option (2 hours)

Electives:

A minimum of 12 hours of electives are required from the following courses:

Instructional Technology:	12
INSTTECH 4150/5150 (240:150g)	Digital Instructional Video Production
INSTTECH 4153/5153 (240:153g)	Emerging Instructional Technologies
INSTTECH 4170/5170 (240:170g)	Web-based Instructional Development
INSTTECH 6205 (240:205)	Instructional Computing Design
INSTTECH 6210 (240:210)	Distance Education
INSTTECH 6230 (240:230)	Communication Theory in Media
INSTTECH 6260 (240:260)	Advanced Instructional Technology Projects
INSTTECH 6285 (240:285)	Readings in Instructional Technology
INSTTECH 6286 (240:286)	Studies in Instructional Technology
INSTTECH 6297 (240:297)	Practicum in Instructional Technology
Other Electives as advised (non-thesis option only)	4
Total hours	35

Major in School Library Studies

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Curriculum and Instruction for other admission requirements. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **thesis** and **non-thesis** options. A **minimum of 36 semester hours** is required for the **thesis** option, and a **minimum of 33 semester hours** is required for the **non-thesis** option. **A minimum of 15 hours of 200/6000-level course work is required for the thesis option. A minimum of 12 hours of 200/6000-level course work is required for the non-thesis option.**

Students choosing the **thesis** option are required to write a thesis and pass an oral defense conducted by the thesis committee. Students choosing the **non-thesis** option are required to complete the departmental graduate research requirement. In lieu of a comprehensive examination, all students must complete a comprehensive portfolio, during their final semester of course work, that meets the requirements of the division faculty.

The program is open to students who hold or have completed coursework for teaching licensure. Students completing this major are eligible for the K-12 School Teacher Librarian endorsement if they hold or are eligible to hold a teaching license.

Required:		
School Library Studies:		30
SLS 4114/5114 (350:114g)	Introduction to the School Library Program	
SLS 4115/5115 (350:115g)	Organization of Information	
SLS 4132/5132 (350:132g)	Library Resources for Children	
SLS 4134/5134 (350:134g)	Library Resources for Young Adults	
SLS 6223 (350:223)	School Library Curriculum Development	
SLS 6225 (350:225)	Administration of the School Library Program	
SLS 6230 (350:230)	Library Automation Systems and Networks	
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

Major in Curriculum and Instruction: *Specialty Area Focus*

The Curriculum and Instruction: *Specialty Area Focus* master's programs have as their focus the improvement of learning environments for K-12 children. The programs have a common core. Students entering this master's program will need to select a specialty area for their primary area of study. The diploma for the degree will indicate the specialty area.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Curriculum and Instruction for other admission 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 master's degree is available on the **thesis** and **non-thesis** options. **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 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 completing the thesis option must include 6 hours of xxxx 6299/xxx:299 Research on the program of study. Students completing the **non-thesis** option are required to meet the individual specialty area's requirements for the non-thesis option. These are cited within the description for each specialty area.

The student must complete the Curriculum and Instruction core, the professional core, required courses in the specialty area, and electives for a specified number of semester hours in the program of study.

Required professional core (Core A):

Educational Psychology/Social Foundations (select one of the following):		3
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	
SOCFOUND 6234 (260:234)	Philosophy of Education	
Measurement and Research:		3
MEASRES 6205 (250:205)	Educational Research	
Required Curriculum and Instruction:		3
ELEMECML 6201 (210:201)	Issues and Trends in Curriculum	
Literacy Education:		3
LITED 6212 (230:212)	Methods and Materials in Literacy Education	
Instructional Technology:		3
INSTTECH 6232 (240:232)	Selection and Integration of Instructional Technology	

Total Hours 15

Curriculum and Instruction: 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 contact the Department of Curriculum and Instruction for other admission 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 specialty area focus requires a **minimum of 30 semester hours for non-thesis option or 33 semester hours for thesis option.**

Students completing the **thesis** option are required to pass an oral comprehensive examination prepared and administered by the thesis committee. 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

List of Programs by Department

- 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:		
EDPSYCH 6214 (200:214)	Foundations of Instructional Psychology	3
MEASRES 6205 (250:205)	Educational Research	3
Curriculum and Instruction Core:		
ELEMECML 6201 (210:201)	Issues and Trends in Curriculum	3
LITED 6212 (230:212)	Methods and Materials in Literacy Education	3
INSTTECH 6232 (240:232)	Selection and Integration of Instructional Technology	3
Specialty area:		
Curriculum and Instruction:		
ELEMECML 6210	Diversity in Early Childhood Education: Theory and Practice	3
ELEMECML 6214 (210:214)	Recent Research in Early Childhood Education	3
ELEMECML 6221 (210:221)	Analysis and Design of Curriculum for Young Children	3
ELEMECML 6236	Assessment in Early Childhood	3
Curriculum and Instruction:		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

Curriculum and Instruction: Elementary Education

This program is designed to improve the student's effectiveness as a classroom teacher, instructional leader, and curriculum developer.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Curriculum and Instruction for other admission 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 specialty area focus requires a **minimum of 30 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 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 and Curriculum and Instruction core (see Major in Curriculum and Instruction: Special Area Focus)		15
Specialty Area:		
Curriculum and Instruction:		8
ELEMECML 6242 (210:242)	Analysis and Improvement of Science Instruction in the Elementary School	
ELEMECML 6243 (210:243)	Analysis and Improvement of Social Studies Instruction in the Elementary School	
ELEMECML 6289 (210:289)	Seminar in Education	
Curriculum and Instruction:		1-3 or 6
ELEMECML 6299 (210:299)	Research	
Thesis Option (6 hours)		
Non-thesis Option (1-3 hours)		
Approved Electives:		1-6
Total hours		30

Curriculum and Instruction: 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 contact the Department of Curriculum and Instruction for other admission 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:

- Two recommendations from professional educators
- 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 specialty area focus 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

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 and Curriculum and Instruction core (see Major in Curriculum and Instruction: Specialty Area Focus)	15
Specialty Area:	
Literacy Education:	12
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
Literacy Education:	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)	
Total hours	33

Doctor of Education Degree Program

This program is intended to provide practicing educators 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**, including a **minimum of 45 hours of course work at the 200/6000-level or 300/7000-level**. Some intensive study areas may require more hours of 200/6000-level or 300/7000-level course work.

There are three components to the program: 15 semester hours in a *Professional Common Core* of work in educational foundations, fundamentals, and research; 38 semester hours of *Advanced Professional Study* in one of four areas of intensive study and a related area; and a *Dissertation* of 7 semester hours.

By design, then, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice. The four intensive study areas are: *Curriculum and Instruction; Educational Leadership; Allied Health, Recreation, and Community Services; and Special Education*. (In some areas, it is possible to combine doctoral degree study with work toward an endorsement to perform a particular role in K-12 education.)

Brief definitions of the four areas are listed within respective departments.

The **Curriculum and Instruction** intensive study area is designed to prepare scholar-practitioners to plan, implement, evaluate, and supervise educational programs for children and adult learners. (For more information, contact the Head, Department of Curriculum and Instruction.)

The Graduate Record Examination (General Test) is required for admission to the program.

Students interested in this program must submit a completed Application for Admission to Graduate Study. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. See this University Catalog for requirements concerning admission, candidacy, scholarship, residence, examinations, dissertation, and graduation for the Doctor of Education degree and also visit www.uni.edu/coe/departments/curriculum-instruction/graduate-study/doctoral-study

I. Professional Common Core (15 hours)

Education Foundations:	
Interdepartmental Education:	3
INTDEPED 7301 (190:301)	Context of Contemporary Education
Research:	
Interdepartmental Education:	9
INTDEPED 7303 (190:303)	Inquiry
INTDEPED 7305 (190:305)	Qualitative Methods in Educational Research
INTDEPED 7307 (190:307)	Quantitative Methods in Educational Research
Measurement and Research:	3
Select one of the following:	
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

II. Advanced Professional Studies (38 hours)

Requirements for the Curriculum and Instruction intensive study area are:

Required courses in Curriculum and Instruction:	
Curriculum and Instruction:	6
ELEMECML 7352 (210:352)	Curriculum Theory and Development
ELEMECML 7354 (210:354)	Curriculum Implementation and Evaluation
Curriculum and Instruction Seminar:	2-4
ELEMECML 7389 (210:389)	Seminar in Curriculum and Instruction
Curriculum and Instruction Practicum:	1-4
ELEMECML 7397 (210:397)	Practicum in Curriculum and Instruction
Instructional Technology:	3
INSTTECH 7340 (240:340)	Designing Instructional Systems

List of Programs by Department

or INSTTECH 6240 Instructional Design (240:240)	
Electives:	21-26

III. Dissertation (7 hours)

This is the program component in which the student demonstrates proficiency in the integration of theory and practice (i.e., it involves the application of existing knowledge and/or results of individual research to an educational problem or situation).

Required:

INTDEPED 7389 (190:389)	Doctoral Seminar	1
INTDEPED 7399 (190:399)	Dissertation Research	6
Total hours for Doctor of Education: Curriculum and Instruction intensive study area		60

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 certificate, 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)	Technology in Education	
INSTTECH 4153/5153 (240:153g)	Emerging Instructional Technologies	
INSTTECH 4170/5170 (240:170g)	Web-based Instructional Development	
INSTTECH 6232 (240:232)	Selection and Integration of Instructional Technology	
INSTTECH 6237 (240:237)	Coordinating Technology in an Educational Setting	
INSTTECH 6260 (240:260)	Advanced Instructional Technology Projects	
Total Hours		18

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
- 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:

- the 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.

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
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.

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

List of Programs by Department

• 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)	Freshman Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professional 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 1140 (800:046)	Precalculus	4
MATH 1420 (800:060)	Calculus I	4
MATH 1421 (800:061)	Calculus II	4
MATH 2422 (800:062)	Calculus III	4
MATH 2500 (800:076)	Linear Algebra for Applications	3
MATH 4420/5420 (800:140g)	Intermediate Mathematical Analysis I	3
Electives: 100/2000/3000/4000-level economics courses (except ECON 3077 (920:177))	15	
Total Hours	40	

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 UNIBusiness 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:		3
FIN 3050 (160:162)	Risk Management and Insurance	
FIN 3135 (160:161)	Intermediate Financial Management	

FIN 3170/5170 (160:153g)	Commercial Bank Management	
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/elcpe

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

List of Programs by Department

Leadership and Postsecondary Education section in the following order:

- **Graduate Majors (M.A.E.)**
 - Postsecondary Education: Student Affairs
 - 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

Master of Arts in Education Degree Programs

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 contact the Department of Educational Leadership and Postsecondary Education for other admission 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 48 semester hours**, and the **non-thesis** option requires a **minimum of 44 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.**

Required professional core

Educational Psychology:

EDPSYCH 6214	Foundations of Instructional Psychology	3
or EDPSYCH 6235	Theories of Human Development	
(200:235)		

OR

Social Foundations:

SOCFOUND 6234	Philosophy of Education	
(260:234)		

Measurement and Research:

MEASRES 6205	Educational Research	3
(250:205)		

Postsecondary education core

Postsecondary Education: Student Affairs:

POSTSEC 6218	Organization and Governance of Postsecondary Education	3
(170:218)		
POSTSEC 6222	Communication and Leadership in Postsecondary Education	3
(170:222)		
POSTSEC 6231	Assessment in Postsecondary Education	3
(170:231)		
POSTSEC 6260	History and Philosophy of Higher Education	3
(170:260)		
POSTSEC 6264	Introduction to Student Affairs	3
(170:264)		
POSTSEC 6266	Administration of Student Affairs	3
(170:266)		
POSTSEC 6270	College Student Development	3
(170:270)		
POSTSEC 6289	Seminar in Postsecondary Education	3
(170:289)		
POSTSEC 6290	Practicum in Postsecondary Education (two are required for 6 hours) *	6
(170:290)		
POSTSEC 6299	Research	2 or 6
(170:299)		

Thesis option (6 hrs)

Non-thesis option (2 hrs)

Electives may include, but are not limited to, the following: 6

POSTSEC 6250	Teaching in College	
(170:250)		
POSTSEC 6256	The Two-Year College	
(170:256)		
POSTSEC 6285	Readings in Postsecondary Education **	
(170:285)		
POSTSEC 6291	Internship in Postsecondary Education	
(170:291)		

Education, Interdepartmental:

INTDEPED 7305	Qualitative Methods in Educational Research	
(190:305)		

Educational Psychology:

EDPSYCH 6214	Foundations of Instructional Psychology	
(200:214)		

Measurement and Research:

MEASRES 4180/5180	Statistical Methods in Education	
(250:180g)		
MEASRES 4181/5181	Educational Evaluation in Teaching	
(250:181g)		
MEASRES 7300	Descriptive Educational Research	
(250:300)		

Social Foundations:

SOCFOUND 6234	Philosophy of Education	
(260:234)		

Counseling:

COUN 4105/5105	Counseling Skills	
(290:105g)		
COUN 6220	Group Counseling Skills and Processes	
(290:220)		
COUN 6225	Facilitating Career Development	
(290:225)		
COUN 6256	Multicultural Counseling	
(290:256)		

Psychology:

PSYCH 3305/5305 (400:157g)	Industrial Psychology	
PSYCH 3304/5304 (400:158g)	Organizational Psychology	
Communication:		
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
Total hours thesis option		48
Total hours non-thesis option		44

* **Note:** Upon advisement, some students may substitute course work for practicum. A license to teach is not required for this major.

** 1-3 hrs.; may be repeated for a maximum of 6 hrs.

Major in Principalship

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Educational Leadership and Postsecondary Education for other admission 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
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 I	
or		
EDLEAD 6235	Community Connections I	
EDLEAD 6226	Activities Administration II	
or		
EDLEAD 6236	Community Connections II	
Internship		
Educational Leadership:		
EDLEAD 6291 (270:291)	Internship	2
EDLEAD 6292 (270:292)	Capstone ISSL	1
Total hours non-thesis Option		37

Thesis Option

EDLEAD 6299 (270:299)	Research	6
Total Hours thesis option		43

Doctor of Education Degree Program

This program is intended to provide practicing educators 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**, including a **minimum of 45 hours of course work at the 200/6000-level or 300/7000-level**. Some intensive study areas may require more hours of 200/6000-level or 300/7000-level course work

There are three components to the program: 15 semester hours in a *Professional Common Core* of work in educational foundations, fundamentals, and research; 38 semester hours of *Advanced Professional Study* in one of four areas of intensive study and a related area; and a *Dissertation* of 7 semester hours.

By design, then, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice. The four intensive study areas are: *Allied Health, Recreation and Community Services; Curriculum and Instruction; Educational Leadership; and Special Education*. (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.) **For brief definitions**

List of Programs by Department

of the four areas refer to respective departments within this University Catalog.

The **Educational Leadership** area of intensive study involves the preparation of personnel for leadership roles in PK-12 schools, postsecondary institutions, and non-school educational settings. (For more information, contact the Head, Department of Educational Leadership and Postsecondary Education.)

The Graduate Record Examination (General Test) is required for admission to the program.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Educational Leadership and Postsecondary Education for any other admission 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 Education degree refer to appropriate sections of this University Catalog or visit <http://www.uni.edu/coe/departments/educational-leadership-postsecondary-education>.

I. Professional Common Core (15 hours)

Education Foundations		
INTDEPED 7301 (190:301)	Context of Contemporary Education	3
Research		
Indepartmental, Education: 9		
INTDEPED 7303 (190:303)	Inquiry	
INTDEPED 7305 (190:305)	Qualitative Methods in Educational Research	
INTDEPED 7307 (190:307)	Quantitative Methods in Educational Research	
Measurement and Research:		
Select one of the following: 3		
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	

II. Advanced Professional Studies (38 hours)

Requirements for the Educational Leadership Intensive area		
Educational Leadership: 3		
POSTSEC 7311 (170:311) or EDLEAD 7311 (270:311)	Educational Leadership and Systems Change Educational Leadership and Systems Change	
Seminar: 3		
POSTSEC 7389 (170:389) or EDLEAD 7389 (270:389)	Seminar in Postsecondary Education Seminar in Educational Leadership	
Practicum: 3		
POSTSEC 7397 (170:397) or EDLEAD 7397 (270:397)	Practicum: Postsecondary Education Practicum in Educational Leadership	

OR

Internship:		
POSTSEC 7391 (170:391) or EDLEAD 7391 (270:391)	Internship in Postsecondary Education Internship in Educational Leadership	
Electives as follows 29		
Choose from the following courses (but not limited to these courses) At least 6 hours must be in an area outside of the elected area of intensive study. Courses used for an Advanced Studies Certificate cannot be used as courses outside the area of intensive study.		
EDLEAD 6206 (270:206)	Orientation to ISSL and Educational Leadership	
EDLEAD 6224 (270:224)	Organizational Studies	
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 6285 (270:285)	Readings in Educational Leadership *	
EDLEAD 6289 (270:289)	Seminar in Educational Leadership *	
EDLEAD 6290 (270:290)	Practicum in Principalship	
EDLEAD 6291 (270:291)	Internship	
EDLEAD 6292 (270:292)	Capstone ISSL	
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 7325 (270:325)	Organization, Governance, and Administration of Public Education	
EDLEAD 7340 (270:340)	Funding the Educational Program for Improved Student Achievement	
EDLEAD 7346 (270:346)	School Business Management	
EDLEAD 7354 (270:354)	Collective Bargaining in the Public Sector	
EDLEAD 7385 (270:385)	Readings in Educational Leadership	

EDLEAD 7389 (270:389)	Seminar in Educational Leadership *	
EDLEAD 7391 (270:391)	Internship in Educational Leadership	
EDLEAD 7397 (270:397)	Practicum in Educational Leadership	

III. Dissertation (7 hours)

This is the program component in which the student demonstrates proficiency in the integration of theory and practice (i.e., it involves the application of existing knowledge and/or results of individual research to an educational problem or situation).

Doctoral Seminar:		1
INTDEPED 7389 (190:389)	Doctoral Seminar	
Dissertation Research:		6
INTDEPED 7399 (190:399)	Dissertation Research	
Total Hours		60

* 1-3 hrs.; may be repeated with department approval.

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
Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	3
Special Education:		
SPED 6260 (220:260)	Special Education Law and Policy	3
Educational Leadership:		
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 I	
or		
EDLEAD 6235	Community Connections I	
EDLEAD 6226	Activities Administration II	
or		
EDLEAD 6236	Community Connections II	
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:		

List of Programs by Department

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. (There are no undergraduate majors or minors in the Department of Educational Psychology and Foundations.) The specific requirements for these graduate programs

are listed within this Department of Educational Psychology and Foundations section in the following order:

- **Graduate Majors (M.A.E.)**
 - Educational Psychology
 - Educational Psychology: Professional Development for Teachers
- **Graduate Major (Ed.S.)**
 - Specialist in Education: School Psychology

Master of Arts in Education Degree Programs

Major in Educational Psychology

This major is designed for:

1. students planning further graduate studies in educational or school psychology;
2. persons with work experience as teachers, instructors or trainers in schools, business, or human service agencies who are seeking further professional development.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Educational Psychology and Foundations 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 (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 36 semester hours** is required for the **thesis** option and a **minimum of 33 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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Select one of the following:

Educational Psychology:

EDPSYCH 4140/5140 (200:140g)	Social Psychology, Education	
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Social Foundations:

SOCFOUND 6234 (260:234)	Philosophy of Education (approved by advisor)	
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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	
EDPSYCH 6290 (200:290)	Practicum in Education and Psychology	
EDPSYCH 6299 (200:299)	Research	
Electives: a minimum of 6 hours		6
Electives will be selected in consultation with advisor and require approval of the graduate coordinator.		
Educational Psychology emphasis: completion of at least 15 hours (advisor approved) in one of the three emphases listed below:		15
Thesis Option total		36
Non-thesis option total		33

Development and Learning Emphasis (15 hours)

Educational Psychology		
3 hours from the following:		
EDPSYCH 6235 (200:235)	Theories of Human Development	
OR		
EDPSYCH 4116/5116 (200:116g) & EDPSYCH 6285 (200:285)	Psychology of Adolescence and Readings	
OR		
EDPSYCH 6224 (200:224)	Adult Development and Learning	
6 hours approved by department		6

Measurement and Research

MEASRES 4180/5180 (250:180g)	Statistical Methods in Education	
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Research and Evaluation Emphasis (15 hours)

Measurement and Research		
MEASRES 4180/5180 (250:180g)	Statistical Methods in Education	
MEASRES 4181/5181 (250:181g)	Educational Evaluation in Teaching	
MEASRES 6281 (250:281)	Statistics and Measurement	
3 hours in Development and Learning Emphasis; and one of the following:		
INTDEPED 7305 (190:305)	Qualitative Methods in Educational Research	
MEASRES 6270 (250:270)	Educational Program Evaluation	
MEASRES 7300 (250:300)	Descriptive Educational Research	
MEASRES 7301 (250:301)	Advanced Experimental Research in Education	

Context and Techniques of Assessment Emphasis (15 hours)

Choose 15 hours from the following courses: 15

Educational Psychology:		
EDPSYCH 4176/5176 (200:176g)	Learning and Behavioral Problems in Education	
EDPSYCH 6240 (200:240)	Introduction to School Psychology	
EDPSYCH 6280 (200:280)	Psychological Consultation in Schools	
EDPSYCH 6232 (200:232)	Risk and Resilience: Child, Family, School and Community Factors	
EDPSYCH 6289 (200:289)	Seminar in Education and Psychology	
EDPSYCH 6286		
Special Education:		
SPED 6260 (220:260)	Special Education Law and Policy	
Measurement and Research:		
MEASRES 6281 (250:281)	Statistics and Measurement	
MEASRES 6282 (250:282)	Individual Intellectual Assessment	
MEASRES 6283 (250:283)	Academic Assessment and Intervention	
MEASRES 6284 (250:284)	Psychosocial Assessment	

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 contact the Department of Educational Psychology and Foundations 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 (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**

List of Programs by Department

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 6234 (260:234)	Philosophy of Education	3
Research: xxx: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	
EDPSYCH 6286		
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)	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

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 contact the Department of Educational Psychology and Foundations for other admission 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 other sections 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 69 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.: General Educational Psychology degree program 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. A student who did not complete a thesis at the master's degree level must select the thesis option to complete the Ed.S. degree.

This major is also available on the **non-thesis** option. Students who completed a thesis as part of a master's degree program may request to have the Ed.S. thesis requirement waived. At the time of admission, the student requesting a waiver will submit a copy of the master's thesis to the School Psychology Committee. The thesis will be reviewed by the School Psychology Committee to determine if the work meets Ed.S. program thesis standards. This determination will be based on

1. the relevance of the topic to the practice of school psychology,
2. whether the thesis is empirically based, and
3. whether the thesis is of such quality that it would be accepted as an Ed.S. thesis in the program.

Notice of approval or nonapproval of the waiver of the Ed.S. thesis will be sent by the program coordinator to the student, the Graduate College, and the Office of the Registrar.

A student who qualifies for the non-thesis option will complete a research paper on a topic related to school psychology. Depending on the extent of the research paper, the student may earn 1-3 semester hours of research credit.

For the thesis and non-thesis options, a **minimum of 36 semester hours** is required. A **minimum of 15 hours of 200/6000-level course work is required**. Successful completion of a final oral examination is required.

Required

Completion of at least 10 hours selected from the following or other courses as approved by department: 10

Educational Psychology:		
EDPSYCH 6286		
EDPSYCH 6289 (200:289)	Seminar in Education and Psychology	
Measurement and Research:		
MEASRES 6284 (250:284)	Psychosocial Assessment	
MEASRES 6286		
Professional Studies:		
EDPSYCH 6290 (200:290)	Practicum in Education and Psychology	3-5
EDPSYCH 6291 (200:291)	Internship in School Psychology	6
EDPSYCH 6299 (200:299)	Research	1-3 or 6
Thesis Option (6 hrs)		
Non-thesis Option (1-3 hrs)		
One of the following:		3
Special Education:		
SPED 6260 (220:260)	Special Education Law and Policy	
Educational Psychology:		
EDPSYCH 6289 (200:289)	Seminar in Education and Psychology	
One of the following:		3
Literacy Education:		
LITED 6238 (230:238)	Advanced Assessment and Evaluation of Literacy Development	
Educational Psychology:		
EDPSYCH 6289 (200:289)	Seminar in Education and Psychology	
Counseling & Behavior Modification - one of the following:		3
COUN 6254 (290:254)	Counseling Children and Adolescents	
PSYCH 6407 (400:272)	Evidence Based Treatment	
Total hours		36

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.

List of Programs by Department

Bachelor of Arts Degree Programs

Finance Major

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

Required business core

Business Administration, Interdepartmental:		
BUSINESS 1000 (100:010)	Freshman Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professional 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		9
Students select one area of emphasis below		
Total Hours		57

Emphases:

Financial Management

Electives 9		
Finance:		
FIN 3032/5032 (160:158g)	International Financial Management	
FIN 3034 (160:154)	Financial Information Systems and Analysis	

FIN 3055 (160:163)	Insurance Company Operations	
FIN 3065/5065 (160:157g)	Fixed Income Analysis	
FIN 3125 (160:141)	Real Estate Finance *	
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		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		3
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 Services

Required		
Finance:		
FIN 3170/5170 (160:153g)	Commercial Bank Management	3
Select one of the following:		
FIN 3034 (160:154)	Financial Information Systems and Analysis	
FIN 3065/5065 (160:157g)	Fixed Income Analysis	
FIN 3125 (160:141)	Real Estate Finance	
Electives		3
Finance:		
FIN 3032/5032 (160:158g)	International Financial Management	
FIN 3050 (160:162)	Risk Management and Insurance	
FIN 3055 (160:163)	Insurance Company Operations	
FIN 3125 (160:141) or FIN 3034 (160:154)	Real Estate Finance *,*** Financial Information Systems and Analysis	
Economics:		

List of Programs by Department

ECON 2132 (920:113)	Money and Banking	
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)	Freshman Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professional 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

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:		

List of Programs by Department

MKTG 3113/5113 (130:106g)	Consumer Behavior
MKTG 3153 (130:153)	Personal Selling
MKTG 3156 (130:178)	Services Marketing
Finance:	
FIN 3055 (160:163)	Insurance Company Operations
FIN 3170/5170 (160:153g)	Commercial Bank Management
Technology:	
TECH 1018 (330:018)	Construction Resources
Economics:	
ECON 3253/5253 (920:148g)	Urban and Regional Economics
Geography:	
GEOG 3120 (970:104)	North American Cities
GEOG 4170/5170 (970:168g)	Regional Analysis and Planning
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

Marketing:		
MKTG 3113/5113 (130:106g)	Consumer Behavior	
MKTG 3153 (130:153)	Personal Selling	
MKTG 3156 (130:178)	Services Marketing	

Finance:		
FIN 3055 (160:163)	Insurance Company Operations **	
FIN 3125 (160:141)	Real Estate Finance **	
FIN 3130/5130 (160:151g)	Corporation Finance **	
FIN 3170/5170 (160:153g)	Commercial Bank Management **	

Technology:		
TECH 1018 (330:018)	Construction Resources	

Economics:		
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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)	Ethics in Business	
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-Liberal Arts
- **Graduate Major (M.A.)**

- Geography
- **Program Certificate**
 - Certificate in Cartography and Geographic Information Systems (GIS)

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 (4 hr. version)	
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:		3
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:		
CS 1130 (810:030)	Visual BASIC 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:

List of Programs by Department

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
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 Human Geographic Processes	
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 4140/5140 (970:116g)	Geopolitics: (Variable Topic)
GEOG 4190/5190 (970:117g)	Transportation Planning and Policy
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	
Health Promotion:	
HPE 3110 (410:110)	Introduction to Epidemiology
Political Science:	

POL AMER 1048 (942:048)	Introduction to Public Administration
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 4130/5130 (970:114g)	Political 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	3-4
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
Methods select one of the following:		3
Mathematics:		
STAT 1772 (800:072)	Introduction to Statistical Methods	
Geography:		
GEOG 3310 (970:164)	Geographic Information Systems I	
Sociology:		

SOC 2020 (980:080) Statistics for Social Research	
Electives in geography *	18
Total Hours	37-38

* 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-Liberal Arts

Required	
Geography:	
GEOG 1120 (970:010) Human Geography	3
or GEOG 1110 World Geography (970:040)	
GEOG 1210 (970:026) Physical Geography (4 hrs.)	4
Electives in geography *	12
Total Hours	19

* 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 the program should contact the graduate coordinator in the Department of Geography. 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** and **non-thesis** 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.

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 Cartography and Geographic Information Systems (GIS)

The Certificate in Cartography and Geographic Information Systems (GIS) is designed to give the student a substantial background in the fields of cartography and geographic information systems. Students completing the program will be familiar with the terminology, techniques and theory of cartography and GIS principles. 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.

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.

Required	
Geography:	
GEOG 3310 (970:164) Geographic Information Systems I	3
GEOG 4320/5320 (970:174g) Geographic Information Systems II	3

List of Programs by Department

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	
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:

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 Certificate
 - Certificate in 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.)**
 - 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
- **Graduate Major (Ed.D.)**
 - Doctor of Education: Allied Health, Recreation and Community Services intensive study area
- **Program Certificates**
 - Aquatics Specialization Certificate
 - Nonprofit Management Certificate
 - Outdoor Recreation Certificate
 - School-Age Care Leadership Certificate
 - Tourism Certificate

Division of Athletic Training Academic Standard Policy

Major Requirements

1. Students should indicate their interest in majoring in the B.A. Athletic Training any time after their admission to UNI by completing the Declaration of Curriculum form, and selecting the choice to continue as a student at UNI as a **prospective** major of *Athletic Training*. 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 Athletic Training Education Program (ATEP) requirements. All documents can be downloaded from the ATEP Web site at www.uni.edu/coe/departments/school-health-physical-education-leisure-services/athletic-training.
2. A student's freshman year shall be devoted primarily to completing the prerequisite core in Athletic Training (AT 1010 (42T:023) Introduction to Athletic Training). Liberal Arts Core and/or electives should be taken by students to complete their schedules.
3. Students desiring to apply to the athletic training program must do the following:
 - A. Obtain an application packet from room 003 in the Human Performance Center (HPC).
 - B. Submit all materials by March 1st of each year to the Athletic Training Program office (HPC 003).
 - C. Students may apply while enrolled in the prerequisite courses.
4. 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 accepted);
 - B. AT 1010 (42T:023) Introduction to Athletic Training grade;
 - C. Application materials;
 - D. Recommendations;
 - E. Interview results;
 - F. Athletic Training Observation (minimum of 30 hours of observation) with a Certified Athletic Trainer;
 - G. Peer Mentoring learning objectives.
5. A committee of faculty, staff, and students will be assigned to the acceptance committee and will review the applications.
6. Notification of admittance will be made at the end of Spring semester.
7. 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 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 the Athletic Training Education Program's Technical Standards Form.
 - E. Complete all other paper work available at the ATEP office.
8. Students not accepted into the program will be restricted from taking Athletic Training courses beyond AT 1010 (42T:023) Introduction to Athletic Training .
9. Transfer students entering UNI shall be subject to the admission and acceptance requirements listed above.
10. To graduate from UNI with an Athletic Training major, students must:
- A. Maintain current CPR, OSHA, and First Aid certifications.
 - B. Pass an annual physical.
 - C. Maintain a 2.50 cumulative GPA, and 3.00 GPA for Athletic Training courses.
 - D. Complete a minimum of 160 hours, maximum of 320 hours, of field experience each semester, depending on their level in the program (1st, 2nd, or 3rd year).
 - E. Be enrolled in the athletic training program for six semesters or a minimum of four semesters if transferring.
 - i Please note that if a student wishes to transfer to UNI they must complete the six semesters of athletic training education and field experience. A student may transfer prior class work and field experiences but must request the petition forms from the athletic training program. (Additional transfer student policies are available at the ATEP office.)
 - ii Transfer students should assume that they would be in the program for three academic years unless petitioning for acceptance of prior course work and/or field experiences.
 - F. Follow the athletic training curricular plan as outlined in the student handbook.

- G. Complete and follow the athletic training curricular plan as outlined in the student handbook.
Complete the Athletic Training major.

11. All other program information is available at the athletic training program office 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
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AT 1010 (42T:023)	Introduction to Athletic Training (or the equivalent)
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Required core:

Biology:	8
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BIOL 3101 (840:101)	Anatomy and Physiology I *
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BIOL 3102 (840:102)	Anatomy and Physiology II
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Physical Education:	6
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PEMES 3153 (420:153)	Physiology of Exercise **
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PEMES 3157 (420:157)	Sports Nutrition ***
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Athletic Training:	37-43
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AT 2011 (42T:024)	Introduction to Athletic Training Clinical Experience (or the equivalent)
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AT 2020 (42T:028)	Clinical Anatomy
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AT 2030 (42T:033)	Emergency Care in Athletic Training
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AT 2031 (42T:034)	Emergency Care in Athletic Training Clinical Experience
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AT 3040 (42T:137)	Lower Body Injury Assessment
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AT 3041 (42T:138)	Lower Body Injury Assessment Clinical Experience
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AT 3050 (42T:134)	Upper Body Injury Assessment
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AT 3051 (42T:135)	Upper Body Injury Assessment Clinical Experience
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AT 3060 (42T:110)	Athletic Training Administration
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AT 3000 (42T:140)	Athletic Training Practicum ^
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List of Programs by Department

AT 3070 (42T:143)	Therapeutic Modalities
AT 3071 (42T:144)	Therapeutic Modalities Clinical Experience
AT 3080 (42T:157)	Therapeutic Exercise
AT 3081 (42T:158)	Therapeutic Exercise Clinical Experience
AT 3090 (42T:162)	Athletic Training Pharmacology
AT 3110 (42T:165)	Psychological Considerations for Athletic Injuries and Rehabilitation
AT 3120 (42T:170)	Athletic Training Pathology
AT 3130 (42T:175)	General Medical Conditions
Total Hours	53-59

* 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 or AT 2020 for Athletic Training majors.

***PEMES 3157 (420:157) Sports Nutrition prerequisite is satisfied by AT 2020 for Athletic Training majors.

^ 6-12 hrs. - minimum 6 hrs. but may be repeated for maximum of 12 hrs., over four 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 should contact the Division of Athletic Training (within the School of Health, Physical Education, and Leisure Services) for program application materials or for any other admission requirements. Graduate College 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 a **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:		24
AT 6210 (42T:210)	Pathoetiology and Orthopaedic Assessment I	
AT 6220 (42T:220)	Pathoetiology and Orthopaedic Assessment II	
AT 6240 (42T:230)	Evidence Based Practice I	
AT 6250 (42T:240)	Evidence Based Practice II	
AT 6260 (42T:250)	Orthopaedic Surgical Interventions	
AT 6289 (42T:289)	Seminar in Athletic Training (10 hrs.)	
AT 6297 (42T:297)	Practicum (4 hrs.)	
Health, Physical Education and Leisure Services, Interdepartmental:		6
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
PEMES 6299 (420:299)	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.

Public health education promotes the health of the general public using a wide variety of methods in a wide variety of settings. This major helps students acquire the skills and abilities to develop, implement, and evaluate health education programs. Our curriculum is tailored to meet national competencies for health educators. A degree in health promotion prepares students to sit for the National Certified Health Education Specialist exam (CHES).

A student declaring a major in Health Promotion will be required to have sophomore standing and a minimum GPA of 2.50 for all courses whether taken at UNI or transferred from other institutions. A minimum 2.50 GPA will be required for admission to HPE 4768 (410:168) Field Experience in Health Promotion. 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

Health Promotion and Education:		
HPE 3110 (410:110)	Introduction to Epidemiology	3
HPE 3112 (410:112)	Human Structure and Function	3
HPE 4256/5256 (410:156g)	Implementing Public Health and Health Promotion Programs **	3
HPE 4353/5353 (410:153g)	Public Health Theory and Application **	3
HPE 4376/5376 (410:176g)	Planning Public Health/Health Promotion Programs **	3
HPE 4485/5485 (410:145g)	Public Health/Health Promotion Evaluation *	3
HPE 4663/5663 (410:163g)	Human Diseases	3
HPE 4665/5665 (410:165g)	Environmental Health Science	3
Total Hours		24

* This course has additional prerequisites as follows: HPE 4485/5485 (410:145g) Public Health/Health Promotion Evaluation has a prerequisite of MEASRES 4180/5180 (250:180g) Statistical Methods in Education or 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.

** HPE 4353/5353 (410:153g) Public Health Theory and Application, HPE 4256/5256 (410:156g) Implementing Public Health and Health Promotion Programs, and HPE 4376/5376 (410:176g) Planning Public Health/Health Promotion Programs not required for Option 4, Environmental Health.

Choose one of the following 4 options

Option 1 - Health and Fitness Promotion		33
Required:		
Health Promotion and Education:		
HPE 1101 (410:005)	Introduction to Public Health	
HPE 3118 (410:118)	Teaching Aerobics	
or equivalent (equivalency requires approval by department)		
HPE 4155/5155 (410:155g)	Stress Management	
HPE 4164/5164 (410:164g)	Health Care and the Consumer	
HPE 4431/5431 (410:131g)	Worksite Health Promotion	
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	
HPE 4768 (410:168)	Field Experience in Health Promotion	
Physical Education:		
PEMES 2050 (420:050)	Anatomy and Physiology of Human Movement	
PEMES 3153 (420:153)	Physiology of Exercise	
PEMES 3156 (420:156)	Fitness Assessment and Programming	
Total Hours		33

Option 2 - Women's Health		31
Required:		
Health Promotion and Education:		
HPE 1101 (410:005)	Introduction to Public Health	
HPE 2120 (410:020)	Maternal and Infant Health	
HPE 4162/5162 (410:162g)	Introduction to Women's Health	
HPE 4328/5328 (410:128g)	Selected Topics in Women's Health	
HPE 4378/5378 (410:178g)	Health Advocacy, Social Action and Policy Development	
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	
HPE 4768 (410:168)	Field Experience in Health Promotion (12 hours)	
Electives (select one from the following):		
Applied Human Sciences, School of:		
FAM SERV 1057 (31F:057)	Human Relationships and Sexuality	
FAM SERV 3155/5155 (31F:155g)	Parenting ^	
FAM SERV 4157/5157 (31F:157g)	Human Sexuality Education ^	
Psychology:		
PSYCH 2201 (400:060)	Psychology of Gender Differences ^	
Health Promotion and Education:		
HPE 4125/5125 (410:125g)	Aging and Health	
Leisure, Youth and Human Services:		
LYHS 4055 (430:151)	Fundraising, Grant Writing and Budgeting for LYHS	
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	
History:		
HISUS 4260/5260 (961:146g)	United States Women's History	
Sociology:		
SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective ^	
Total Hours		31

List of Programs by Department

^ These courses in Option 2 have additional prerequisites as follows:
 FAM SERV 3155/5155 (31F:155g) Parenting has a prerequisite of FAM SERV 1020 (31F:020) Family Relationships or FAM SERV 1055 (31F:055) Human Growth and Development or PSYCH 2202 (400:120) Developmental Psychology.
 FAM SERV 4157/5157 (31F:157g) Human Sexuality Education has prerequisite of FAM SERV 1057 (31F:057) Human Relationships and Sexuality; 3 hours social science research methods.
 PSYCH 2201 (400:060) Psychology of Gender Differences has prerequisite of PSYCH 1001 (400:001) Introduction to Psychology.
 COMM 4347/5347 (48C:142g) Family Communication has prerequisite of COMM 2344 (48C:004) Interpersonal Communication.
 SOC 3411/5411 (980:167g) Gender in Cross-Cultural Perspective has prerequisite of PSYCH 1001 (400:001) Introduction to Psychology or SOC 1000 (980:001) Introduction to Sociology or ANTH 1002 (990:011) Culture, Nature, and Society.

Option 3 - Global Health and Health Disparities: 29-30
 Required:

Health Promotion and Education:

HPE 1101 (410:005) Introduction to Public Health
 HPE 4161/5161 Global Health Mission (410:161g)

HPE 4167/5167 Cultural Competency for the (410:167g) Helping Professions

HPE 4247/5247 Minority Health (410:147g)

HPE 4378/5378 Health Advocacy, Social (410:178g) Action and Policy Development

HPE 4438/5438 International Health (410:138g)

HPE 4551/5551 Nutrition for Health (410:151g) Promotion

HPE 4768 (410:168) Field Experience in Health (12 hours) Promotion

Electives (select one of the following):

Health Promotion and Education:

HPE 2120 (410:020) Maternal and Infant Health

HPE 3650/CAP Complementary, Alternative, (CAP:152) and Integrative Health

HPE 4125/5125 Aging and Health (410:125g)

Social Work:

SW 4163/5163 Minority Group Relations (450:163g)

Communication Studies:

COMM 4344/5344 Intercultural Communication (48C:151g)

Anthropology:

ANTH 3101/5101 Psychological Anthropology (990:164g)

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

ANTH 3104/5104 Gender in Cross-Cultural (990:167g) Perspective

Total Hours 29-30

Option 4 - Science Intensive: Environmental Health*

Required: 33-34

Health Promotion and Education:

HPE 1101 (410:005) Introduction to Public Health
 HPE 4580/5580 Environmental Health, Field (410:180g) Methods, Technology, and Laboratory Applications #

HPE 4666/5666 Environmental and (410:166g) Occupational Health Regulations

HPE 4768 (410:168) Field Experience in Health (6 hours) Promotion

Biology:

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

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

BIOL 3151 General Microbiology (840:151)

Chemistry and Biochemistry:

Select one of the following:

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

or

CHEM 1130 General Chemistry I-II (860:070) and Applied Organic and Biochemistry & CHEM 1040 (860:063)

Electives: 11-13

Health Promotion and Education:

HPE 2120 (410:020) Maternal and Infant Health

HPE 3650/CAP Complementary, Alternative, (CAP:152) and Integrative Health

HPE 4164/5164 Health Care and the Consumer (410:164g)

HPE 4247/5247 Minority Health (410:147g)

HPE 4378/5378 Health Advocacy, Social (410:178g) Action and Policy Development

HPE 4438/5438 International Health (410:138g)

Biology: ##

BIOL 3140 Genetics (840:140)

BIOL 3147 Cancer and Emerging (840:147) Infectious Diseases

BIOL 3170 Entomology (840:170)

BIOL 4150/5150 Immunology (840:150g)

BIOL 4155/5155 Ecotoxicology (840:155g)

BIOL 4168/5168 Ecology (840:168g)

BIOL 4180/5180 Restoration Ecology # (840:180g)

Chemistry and Biochemistry: ##

CHEM 2310 (860:132)	Quantitative Analysis	
Earth Science:		
EARTHSCI 1300 (870:031)	Introduction to Geology	
EARTHSCI 3345/5345 (870:171g)	Environmental Geology	
Total Hours		44-47
Total hours for common core and option 1		57
Total hours for common core and option 2		55
Total hours for common core and option 3		53-54
Total hours for common core and option 4		68-71

- # These courses in Option 4 have additional prerequisites as follows:
 HPE 4580/5580 (410:180g) Environmental Health, Field Methods, Technology, and Laboratory Applications has prerequisite of MEASRES 4180/5180 (250:180g) Statistical Methods in Education or 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.
 BIOL 4180/5180 (840:180g) Restoration Ecology has prerequisites BIOL 3100 (840:100) Evolution, Ecology and the Nature of Science and BIOL 3140 (840:140) Genetics.
- ## These courses can be satisfied with appropriate selection of courses for completing the Biology minor.

Minors

Health Education Minor-Teaching

Current First Aid and CPR certification is required of all minors prior to student teaching.

Required:

Methods course:		2-3
HPELS 2045 (440:045)	Health and Physical Education for Elementary Teachers *	
or HPE 3240 (410:140)	Secondary School Health Education Methods	
Educational Psychology:		3
EDPSYCH 4118/5118 (200:118g)	Mental Health in the Classroom	
Applied Human Sciences, School of:		3
FAM SERV 1057 (31F:057)	Human Relationships and Sexuality	
Psychology:		3
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	
Health Promotion and Education:		14
HPE 1101 (410:005)	Introduction to Public Health	
HPE 3112 (410:112)	Human Structure and Function	
HPE 3344 (410:144)	Health Education Curriculum	
HPE 4164/5164 (410:164g)	Health Care and the Consumer	
HPE 4551/5551 (410:151g)	Nutrition for Health Promotion	
HPE 4663/5663 (410:163g)	Human Diseases	

Plus, health-related electives to total the 24 hours needed (beyond the Methods course) for the Health endorsement

Total Hours 26-27

- * HPELS 2045 (440:045) (for K-8 endorsement). HPE 3240 (410:140) Secondary School Health Education Methods (for 5-12 endorsement).

Health Promotion Minor

Required:

Health Promotion and Education:		21
HPE 1101 (410:005)	Introduction to Public Health	
HPE 3110 (410:110)	Introduction to Epidemiology	
HPE 4164/5164 (410:164g)	Health Care and the Consumer	
HPE 4256/5256 (410:156g)	Implementing Public Health and Health Promotion Programs	
HPE 4353/5353 (410:153g)	Public Health Theory and Application	
HPE 4376/5376 (410:176g)	Planning Public Health/Health Promotion Programs	
HPE 4485/5485 (410:145g)	Public Health/Health Promotion Evaluation *	
HPE 4663/5663 (410:163g)	Human Diseases *	
Total Hours		21

- * These courses have additional prerequisites as follows:
 HPE 4485/5485 (410:145g) Public Health/Health Promotion Evaluation has prerequisite of MEASRES 4180/5180 (250:180g) Statistical Methods in Education or 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.
 HPE 4663/5663 (410:163g) Human Diseases has prerequisite of HPE 3112 (410:112) Human Structure and Function or both BIOL 3101 (840:101) Anatomy and Physiology I and BIOL 3102 (840:102) Anatomy and Physiology II.

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 contact the Division of Health Promotion and Education (within the School of Health, Physical Education, and Leisure Services) for other admission 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 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 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
Measurement and Research:	
MEASRES 4180/5180 (250:180g)	Statistical Methods in Education
Health, Physical Education, and Leisure Services, Interdepartmental:	
HPELS 6210 (440:210)	Quantitative Methods in HPELS
or HPELS 6215 (440:215)	Qualitative Methods
Choose 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 and Education:	15
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
HPE 6393 (410:293)	Epidemiology
Health Promotion Graduate Seminar:	1
HPE 6289 (410:289)	Seminar
Physical Education:	3
PEMES 6253 (420:253)	Advanced Exercise Physiology
Management:	3
MGMT 3919/5919 (150:119g)	Leadership and Human Relations
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 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
HPE 6393 (410:293)	Epidemiology
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:	2
HPE 6289 (410:289)	Seminar *
Research:	2 or 6
HPE 6299 (410:299)	Research
Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	
Electives as approved by the Graduate Committee:	10 or 6
Total hours	33

* 1 hr. each for two semesters.

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:	2
HPE 6289 (410:289)	Seminar *

Research	2 or 6
HPE 6299 (410:299) Research Thesis option (6 hrs.)	
Non-thesis option (2 hrs.)	
Electives as approved by the Graduate Committee:	19 or 15
Total hours	32

* 1 hr. each for two semesters.

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:

Health Promotion and Education/Environmental Science:	6
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HPE/ENV SCI 4665 Environmental Health Science

HPE/ENV SCI 4666 Environmental and Occupational Health Regulations

Health Promotion:	3
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HPE 4663/5663 Human Diseases (410:163g)

Electives: 6 hours chosen from either or both of the following categories:	6
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I. Public Health Focus Area:

Health Promotion and Education:

HPE 3110 (410:110) Introduction to Epidemiology or HPE 6393 Epidemiology (410:293)

HPE 4162/5162 Introduction to Women's Health (410:162g)

HPE 4376/5376 Planning Public Health/Health Promotion Programs (410:176g)

HPE 4378/5378 Health Advocacy, Social Action and Policy Development (410:178g)

HPE 4485/5485 Public Health/Health Promotion Evaluation (410:145g)

Biology:

BIOL 3147 Cancer and Emerging Infectious Diseases (840:147)

II. Environmental Sciences Focus Area:

Environmental Science:

ENV SCI 6200 Environmental Biology (830:200)

ENV SCI 6235 Topics in Environmental Chemistry (830:235)

Biology:

BIOL 3151 General Microbiology (840:151)

BIOL 4155/5155 Ecotoxicology (840:155g)

BIOL 4167/5167 Conservation Biology (840:167g)

Total Hours	15
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Certificate in Global Health and Health Disparities

Required:

Health Promotion and Education:	8-11
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HPE 4161/5161 Global Health Mission (410:161g)

HPE 4167/5167 Cultural Competency for the Helping Professions (410:167g)

HPE 4247/5247 Minority Health (410:147g)

HPE 4438/5438 International Health (410:138g)

Electives (selected two of the following):	6
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Leisure Services:

LYHS 3030 Inclusive Recreation and Diversity in LYHS (430:030)

Social Work:

SW 4142/5142 Working With Racial and Ethnic Minorities (450:142g)

Communication:

COMM 4344/5344 Intercultural Communication (48C:151g)

Social Science:

SOC SCI 1041 Social Welfare: A World View (900:041)

Political Science:

POL INTL 1024 International Relations (943:024)

POL INTL 4125/5125 North-South Relations (943:125g)

Sociology:

SOC 3037/5037 Race, Ethnicity and Social Justice (980:045g)

Anthropology:

ANTH 1002 Culture, Nature, and Society (990:011)

ANTH 3001 Language and Culture (990:177)

ANTH 3101/5101 Psychological Anthropology (990:164g)

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

ANTH 3104/5104 Gender in Cross-Cultural Perspective (990:167g)

Total Hours	14-17
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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

List of Programs by Department

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 be admitted to this major a student must file an approved program of study with her/his advisor and 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.

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 3162 (420:162)	Foundations of Human Movement Study	
Physical Education (select a minimum of 6 hours from the following):		6
PEMES 3191 (420:191)	Senior Project	
PEMES 3193 (420:193)	Research Experiences	
PEMES 3197 (420:197)	Internship in Physical Education	
PEMES 4194 (420:194)	Senior Thesis	
Choose one of the following emphases:		12
Emphasis 1 - Exercise Science: *		
Physical Education:		
PEMES 3155/5155 (420:155g)	Exercise Physiology: Applications for Health and Human Performance	
PEMES 3156 (420:156)	Fitness Assessment and Programming	
PEMES 3157 (420:157)	Sports Nutrition	
PEMES 3186 ("Studies in", 3 hrs.)		
Emphasis 2 - Sport Psychology: **		
Athletic Training:		
AT 1019 (42T:019)	Prevention and Care Laboratory	
Physical Education:		
PEMES 3122 (420:122)	Psycho-Social Aspects of Competitive Sport	
PEMES 3154 (420:154)	Psychological Skills for Sport Participants	

Physical Education (select a minimum of 6 hours from the following):

PEMES 2025 (420:025)	Conditioning Theory and Practice
PEMES 3155/5155 (420:155g)	Exercise Physiology: Applications for Health and Human Performance
PEMES 3156 (420:156)	Fitness Assessment and Programming
PEMES 3186 ("Studies in", 1-6 hrs.)	
Total Hours	39

* This emphasis prepares students with a broad background in exercise science with the ability to implement individual and group exercise and fitness programs, strength and power development, and as a preparation for graduate study in exercise science.

** This emphasis provides a broad education in sport psychology and is designed to prepare students interested in pursuing careers in coaching, youth sport, as a sport teaching professional, motivational trainer, or for advanced studies in coaching. Students in this emphasis are strongly encouraged to complete a coaching minor.

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 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 3162 (420:162)	Foundations of Human Movement Study	
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	
PEMES 2016 (420:016)	Lifetime Activities II	
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	
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	

List of Programs by Department

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 contact the Division of Physical Education (within the School of Health, Physical Education, and Leisure Services) for other admission 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.

This major offers two emphases:

1. Teaching/Coaching Emphasis:

This emphasis is designed for those students who plan to teach and/or coach in an educational setting at a variety of levels, and is available on the **thesis** and **non-thesis** options. **A minimum of 15 hours must be at the 200/6000-level for both the thesis and non-thesis options.**

If the undergraduate degree in Physical Education does not include a theory class in either *Elementary or Secondary Methods in Physical Education*, the student will be required to make up the deficiency with one 3 hour undergraduate methods course. This would extend the Teaching/Coaching emphasis to a *33-hour minimum*.

Additionally, if the undergraduate degree was not in Physical Education or the student does not have at least 12 hours of undergraduate theory classes (exclusive of activity classes and advanced skill and coaching classes) on her/his transcript, the

student must take 12 hours of either undergraduate or graduate physical education course work to make up the deficiency; 3 hours of the additional 12 hours must be an undergraduate *Elementary or Secondary Methods in Physical Education* course. This would extend the Teaching/Coaching emphasis to a *42-hour minimum*.

Required:

Measurement and Research/Health, Physical Education, and Leisure Services, Interdepartmental: 6

HPELS 6290 (440:290) Research Methods for Health, Physical Education and Leisure Services

Choose one of the following:

MEASRES 6205 (250:205) Educational Research

HPELS 6210 (440:210) Quantitative Methods in HPELS

HPELS 6215 (440:215) Qualitative Methods

Physical Education: 9

PEMES 6230 (420:230) Curriculum Theory and Design in Physical Education

PEMES 6231 (420:231) Effective Teaching in Physical Education

PEMES 6273 (420:273) Contemporary Issues in Physical Education and Athletics

Physical Education: 3

PEMES 6297 (420:297) Practicum

Research: 2 or 6

PEMES 6299 (420:299) Research

Thesis option (6 hrs.)

Non-thesis option (2 hrs.)

Electives from the following courses: 6 or 10

PEMES 6251 (420:251) Biomechanics

PEMES 6255 (420:255) Motor Control and Learning

PEMES 6285 (420:285) Readings in Physical Education

PEMES 6289 (420:289) Seminar in Physical Education (maximum 6 hours on different topics)

Thesis option (6 hrs.)

Non-thesis option (10 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 (420:251) Biomechanics

PEMES 6253 (420:253)	Advanced Exercise Physiology	
PEMES 6260 (420:260)	Laboratory Instrumentation and Test Interpretation	
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:		6
PEMES 6289 (420:289)	Seminar in Physical Education (on different topics)	
Research:		2 or 6
PEMES 6299 (420:299)	Research	
Thesis option (6 hrs.)		
Non-thesis option (2 hrs.)		
Electives from the following courses:		3 or 7
PEMES 6222 (420:222)	Sport Psychology	
PEMES 6255 (420:255)	Motor Control and Learning	
PEMES 6271 (420:271)	Cardiovascular Physiology	
PEMES 6285 (420:285)	Readings in Physical Education	
PEMES 6289 (420:289)	Seminar in Physical Education (maximum 6 hours in addition to required hours on different topics)	
PEMES 6297 (420:297)	Practicum	
Thesis option (3 hrs.)		
Non-thesis option (7 hrs.)		
Total hours		30

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

List of Programs by Department

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 or Youth Services Administration, students must have a minor GPA of 2.50, with a grade of C (2.00) or higher in all courses applied to the minor. Students must officially declare the minor.

Bachelor of Arts Degree Program

Leisure, Youth and Human Services Major

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

The Leisure, Youth and Human Services major prepares students to deliver programs and manage facilities designed to meet human, community, and social needs in public, governmental, and nonprofit community agencies. Graduates may find employment in agencies that serve people of all ages from diverse backgrounds in areas such as municipal parks and recreation, commercial recreation, tourism, outdoor recreation, therapeutic recreation (clinical and community-based settings), the nonprofit and youth serving agencies, armed forces recreation, campus recreation, and other leisure service delivery sectors. The major focuses on direct service programming with an emphasis on supervisory and managerial skills. The Leisure, Youth and Human Services program is accredited by NRPA/AALR.

The Leisure, Youth and Human Services major requires all students to take a common core of courses with additional supporting courses in areas of professional interest.

Required core:

Leisure, Youth and Human Services:		35
LYHS 2010 (430:010)	Introduction to Leisure, Youth and Human Services	
LYHS 2020 (430:020)	Leadership in Leisure, Youth and Human Services	
LYHS 3050 (430:114)	Management of Leisure, Youth and Human Services	
LYHS 3060 (430:110)	Programming for Leisure, Youth and Human Services	
LYHS 3121 (430:121)	Philosophical Foundations of Leisure, Youth and Human Services	

LYHS 4070/5070 (430:169g)	Research and Evaluation in Leisure, Youth and Human Services	
LYHS 4080 (430:189)	Seminar (2 hrs.)	
LYHS 4090 (430:184)	Senior Project (3 hrs.)	
LYHS 4095 (430:187)	Internship (12 hrs.)	
Students will work with their assigned advisor to develop an area of professional interest with appropriate corresponding LYHS supporting courses:		21
Total Hours		56

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 (430:123)	Foundations of Therapeutic Recreation	
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 contact the Division of Leisure, Youth and Human Services (within the School of Health, Physical Education, and Leisure Services) for other admission 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 (440:215)	Qualitative Methods
HPELS 6290 (440:290)	Research Methods for Health, Physical Education and Leisure Services

Sociology:
SOC 4025/5025 Social Data Analysis (980:160g)

Minimum of one Statistical Analysis course from the following: 3

Measurement and Research:
MEASRES Statistical Methods in Education
4180/5180 (250:180g)

Health, Physical Education, and Leisure Services, Interdepartmental:

HPELS 6210 (440:210)	Quantitative Methods in HPELS
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Research: 3 or 6

LYHS 6299 (430:299)	Research
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Thesis option (6 hrs.)
Non-thesis option (3 hrs.)

Leisure, Youth and Human Services: 6

LYHS 6200 (430:240)	Historical and Philosophical Foundations of Leisure, Youth and Human Services
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At least one of the following:

LYHS 6201 (430:201)	Social Policy and Issues in Leisure, Youth and Human Services	
LYHS 6202 (430:202)	Social Psychology of Leisure	
Select from the following of PEMES/420:xxx/5xxx/6xxx, LYHS/430:xxx/5xxx/6xxx, HPELS/440:xxx/5xxx/6xxx or other graduate level courses on campus as approved by advisor:		18
Total hours thesis option		36
Total hours non-thesis option		33

Doctor of Education Degree Program

This program is intended to provide practicing educators 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**, including a **minimum of 45 hours of course work at the 200/6000-level or 300/7000-level**. Some intensive study areas may require more hours of 200/6000-level or 300/7000-level course work.

There are three components to the program: 15 semester hours in a *Professional Common Core* of work in educational foundations, fundamentals, and research; 38 semester hours of *Advanced Professional Study* in one of four areas of intensive study and a related area; and a *Dissertation* of 7 semester hours.

By design, then, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice. The four intensive study areas are: *Allied Health, Recreation and Community Services; Curriculum and Instruction; Educational Leadership; and Special Education*. (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.) **For brief definitions of the four areas refer to respective departments.**

The **Allied Health, Recreation and Community Services** intensive study area is designed to provide students with education in 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 Athletic Training Division in the School of Health, Physical Education, and Leisure Services.)

The Graduate Record Examination (General Test) is required for admission to the program.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the School of Health, Physical Education and Leisure Services for any

List of Programs by Department

other admission 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 Education degree refer to appropriate sections of this University Catalog.

Program Requirements

I. Professional Common Core (15 hours)

Education Foundations:	3
Interdepartmental, Education:	
INTDEPED 7301 (190:301)	Context of Contemporary Education
Research:	
Interdepartmental, Education:	9
INTDEPED 7303 (190:303)	Inquiry
INTDEPED 7305 (190:305)	Qualitative Methods in Educational Research
INTDEPED 7307 (190:307)	Quantitative Methods in Educational Research
Measurement and Research (Select one of the following):	3
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

II. Advanced Professional Studies (38 hours):

Required Applied Health, Recreation and Community Services Core:	12
Health, Physical Education, and Leisure Services:	
HPELS 7410 (430:310)	Critical Theories and Practices I
HPELS 7412 (430:312)	Critical Theories and Practices II
HPELS 7329 (430:329)	Research and Evaluation Seminar (1 credit each semester for 6 semesters)
Track (select one primary area for 18 credits, and one supporting area for 8 credits coursework from the following HPELS areas and/or other departments)	26
A. Health Promotion and Education	
B. Leisure, Youth and Human Services	
C. Rehabilitation Studies	
Working with the advisor, students will select 6 hours of course work outside of the School of HPELS for their program of study. ours must be outside of LYHS).	

III. Dissertation (7 hours) 7

This is the program component in which the student demonstrates proficiency in the integration of theory and practice (i.e., it involves the application of existing knowledge and/or results of individual research to an educational problem or situation).

INTDEPED 7389 (190:389)	Doctoral Seminar
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INTDEPED 7399 (190:399) Dissertation Research

Total Hours 60

* 1 hour each for six semesters.

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 (420:011)	Fundamental Physical Activities — Aquatics
PEMES 2060 (420:060)	Lifeguard Training and Instruction
PEMES 2061 (420:061)	Water Safety Instruction
PEMES 3120 (420:120)	Certified Pool Operators
Leisure, Youth and Human Services:	6
LYHS 2010 (430:010)	Introduction to Leisure, Youth and Human Services
LYHS 3060 (430:110)	Programming for Leisure, Youth and Human Services
Electives: as approved by advisor, selected from the following:	5
Physical Education:	
PEMES 1A39 (420:A39) (Canoeing, 1 hr.)	
PEMES 3168 (420:168)	Assisting in Physical Activity and Wellness
PEMES 3186 (420:186) (Studies in Small Craft Safety/Water Rescue, 1 hr.)	
PEMES 3186 (420:186) (Studies in Physical Education: Lifeguard Instructor Training, 1 hr.)	
Leisure, Youth and Human Services:	
LYHS 4115/5115 (430:168g)	Areas and Facilities for Leisure, Youth and Human Services
Health, Physical Education, and Leisure Services, Interdepartmental:	
HPELS 4186/5186 (440:186g) (Studies in Legal Issues in Health, Physical Education, Leisure, Youth and Human Services, 3 hrs.)	
Total Hours	18

Nonprofit Management

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)	Fundraising, Grant Writing and Budgeting for LYHS	
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; HPELS xxxx/440: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 Camp Management Systems
(430:144g)

Electives: selected from the following:		2-3
Educational Psychology and Foundations:		
EDPSYCH 2017 (200:017)	Field Experience: Exploring Teaching	
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)	Rural Tourism Development	
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

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* 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**
 - Certificate in 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)	
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 4640/5640	Modern Mediterranean Europe: History and Culture (963:153g)	
HISEUB 4650/5650	Modern Central and Eastern Europe (963:188g)	
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)	
Non-Western history (6 hours)		
HISNW 4710/5710	Colonial Latin American History (964:176g)	
HISNW 4720/5720	Latin American History (964:180g)	

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HISNW 4730/5730 (964:174g)	Pre-Modern African History	
HISNW 4740/5740 (964:175g)	Modern African History	
HISNW 4820/5820 (964:178g)	Modern Middle East History	
HISNW 4830/5830 (964:181g)	Pre-Modern South Asia	
HISNW 4840/5840 (964:182g)	Modern South Asia	
HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History	
HISNW 4860/5860 (964:187g)	Modern Chinese History	
HISNW 4870/5870 (964:127g)	Pre-Modern Japan	
HISNW 4880/5880 (964:128g)	Modern Japan	
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.

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 4190 (900:190)	The Teaching of the Social Studies	3
SOC SCI 4191 (900:191)	Field Experience: Teaching Social Studies	1

Humanities

Select one of the following not used to fulfill the 6-hour Liberal Arts Core curriculum requirement in Category 2A: *

HUM 1021 (680:021)	Humanities I: The Ancient, Classical, and Medieval Worlds (required)	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

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	
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	

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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

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

The following courses strongly recommended:

HISUS 1120 (961:015)	United States History since 1877 *
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 Modern European Women's History
(963:161g)

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 contact the Department of History for other admission 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 for Undergraduate Students.) 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
Research		
HIST 6299 (960:299)	Research	6
Electives		0-3
Total hours		30

Program Certificate

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificate, contact the Department of History or the Office of the Registrar, which serves as the centralized registry.

Certificate in Public History

This certificate is available to history majors and non-history majors who have completed a prescribed course of study within public history. This program exposes students to the array of opportunities available in the fields of public history and an opportunity to add an experiential component to their academic education. Individual curricula will be defined in consultation with the program's director.

Required

History		
HIST 4010/5010 (960:106g)	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

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)

List of Programs by Department

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

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

Certificate in International Business, Culture, and Language
 Certificate in Leadership Foundations
 Conflict Resolution Certificate
 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

^ 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.

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:

List of Programs by Department

School of Applied Human Sciences:	
FAM SERV 2077 (31F:077)	Management of Family Resources
FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis
FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy
GERO 3161/5161	Families, Alzheimer's & Related Dementias
or FAM SERV 3161/5161	Families, Alzheimer's & 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:	
World Religions/Philosophy:	
RELS/PHIL 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics
PHIL 3500 (650:142)	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 3110 (410:110)	Introduction to Epidemiology
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	Families, Alzheimer's & Related Dementias
or FAM SERV 3161/5161	Families, Alzheimer's & Related Dementias
Internship:	4
Senior Seminar, Gerontology:	
GERO 4193 (31G:193)	Internship Seminar (1 hr.)
and one of the following:	
School of Applied Human Sciences:	
GERO 4195 (31G:195)	Internship in Gerontology (Social Sciences track section)
OR	
Health Promotion and Education:	
HPE 4768 (410:168)	Field Experience in Health Promotion
OR	
Sociology:	
SOC 3100/5100 (980:184g)	Theory and Practice in Applied Settings
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:	

List of Programs by Department

FAM SERV 3150/5150 (31F:150g)	Families and Aging	
GERO 3161/5161	Families, Alzheimer's & Related Dementias	
or FAM SERV 3161/5161	Families, Alzheimer's & 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	
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
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 3110 (410:110)	Introduction to Epidemiology	
HPE 4164/5164 (410:164g)	Health Care and the Consumer	
HPE 4353/5353 (410:153g)	Public Health Theory and Application	
HPE 3186/4186/5186	(410:186/410:186g) "Studies in", 2 hrs.	
Communication Studies:		
COMM 4116/5116 (48C:138g)	Health Communication	
Internship ^^		10-12
Students complete the seminar and either internship:		
Senior Seminar School of Applied Human Sciences:		
GERO 4193 (31G:193)	Internship Seminar	
or HPE 3693 (410:193)	Internship Seminar	
School of Applied Human Sciences:		
GERO 4195 (31G:195)	Internship in Gerontology (Long Term Care track section)	
OR		
Health Promotion and Education:		
HPE 4768 (410:168)	Field Experience in Health Promotion (3 or 6 hours)	
OR		
Internship School of applied Human Sciences:		

GERO 4195 (31G:195)	Internship in Gerontology (Long Term Care track)	
OR		
Health Promotion and Education:		
HPE 4768 (410:168)	Field Experience in Health Promotion (3 hours)	
OR		
Sociology:		
SOC 3100/5100 (980:184g)	Theory and Practice in Applied Settings (3 hours)	
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 4153/5153 (31F:153g)	Family Relationships in Crisis	
FAM SERV 3162/5162 (31F:162g)	Issues in Family Policy	
GERO 3161/5161	Families, Alzheimer's & Related Dementias	
or FAM SERV 3161/5161	Families, Alzheimer's & Related Dementias	
Development core: (select one of the following)		3
School of Applied Human Sciences:		
FAM SERV 1055 (31F:055)	Human Growth and Development (Design, Textiles, Gerontology, & Family Studies) *	
Psychology:		
PSYCH 2202 (400:120)	Developmental Psychology	
Electives in Gerontology: (select two from 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:	
HPE 3110 (410:110)	Introduction to Epidemiology
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 *
World Religions/Philosophy:	
RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying
RELS/PHIL 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics *
Total hours	43-45

* 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); 3 hours social science research methods.
 PSYCH 2202 (400:120) has prerequisites 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).
 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 prerequisite of SOC 1000 (980:001) and junior standing.
 ANTH 3202/5202 (990:152g) has prerequisite of *ANTH 1001 (990:010)*. *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 and American Humanics--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.

List of Programs by Department

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. Courses HPE 4161/5161 (410:161g) is credit/no credit course, and the minimum grade of C- to receive credit will be allowed for these two courses. 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

Select one of the following: 3

Anthropology:

ANTH 1002 Culture, Nature, and Society
(990:011) (required)

Geography:

GEOG 1120 Human Geography (required)
(970:010)

or GEOG 1110 World Geography
(970:040)

Political Science:

POL INTL 1024 International Relations 3
(943:024)

or POL COMP 1040 Comparative Politics
(944:040)

II. THEMATIC AREA (12 hours)

Choose in consultation with a Global Studies faculty advisor. See below for course list and specific requirements for each area. Students must focus on one area; however, they may choose to add an additional area(s) to their program, which will be reflected on their transcripts. Within each area, no more than 6 hours may be taken in any one department (the Department of Sociology/Anthropology/Criminology counts as three departments).

THEMATIC AREAS:

- Peace, Conflict, and Human Rights
- International Economics and Development
- Global Resources and Environment
- International Communication and Media
- Global Studies in Gender
- Global Health

Peace, Conflict, and Human Rights

Required 3

Political Science:

POL INTL 3120 International Security
(943:120)

or POL INTL 3126 Human Rights
(943:126)

Electives 9

Select three from the following: 3

Social Work:

SW 3102/SOC 3090 Conflict Resolution
(980:102)/ANTH
3470 (990:102)

Political Science:

POL THRY 3122 Theories of Democracy
(941:122)

POL INTL 3120 International Security
(943:120)

POL INTL 3126 Human Rights
(943:126)

POL INTL 3129 International Diplomacy and
Negotiation
(943:129)

POL INTL 3143 International Law
(943:143)

POL INTL 3145 International Organizations
(943:145)

POL INTL
4125/5125 North-South Relations
(943:125g)

POL COMP 3121 Terrorism and Insurgency
(944:121)

POL COMP 3123 Nationalism
(944:123)

History:

HISEUB 4675/5675 Great Power Diplomacy from
(963:157g) the Congress of Vienna to the
Present

Total Hours 15

International Economics and Development

Required 3

Select one of the following:

Economics:

ECON 3245/5245 International Economics *
(920:136g)

Political Science:

POL INTL Politics of the Global
4119/5119 Economy *
(943:119g)

POL INTL North-South Relations
4125/5125
(943:125g)

Electives 9

Select three from the following:

Social Science:

SOC SCI/SW 1041 Social Welfare: A World
View (required)

Economics:

ECON 3245/5245 International Economics
(920:136g)

List of Programs by Department

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
Religion:	
Select 6 hours from the following:	
RELS 3520/5520 (640:175g) or PHIL 3530/5530 (650:175g)	Environmental Ethics
Biology:	
BIOL 4167/5167 (840:167g)	Conservation Biology
Geography:	

GEOG 3220 (970:100)	Environmental Geography
Electives	6
Select two from the following:	
Religion:	
RELS 3520/5520 (640:175g) or PHIL 3530/5530 (650:175g)	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 (required)
BIOL 4167/5167 (840:167g)	Conservation Biology *
BIOL 4168/5168 (840:168g)	Ecology *
Earth Science:	
EARTHSCI 1300 (870:031)	Introduction to Geology (required)
EARTHSCI 1320 (870:035)	Earth History *
Economics:	
ECON 3225/5225 (920:123g)	Environmental Economics *
Geography:	
GEOG 1210 (970:026)	Physical Geography (required)
GEOG 2210 (970:028)	Recent Climate Change
GEOG 3110 (970:101)	Economic Geography
GEOG 3220 (970:100)	Environmental Geography
GEOG 4120/5120 (970:119g)	Demography and Population Geography
GEOG 4210/5210 (970:127g)	Climatology
GEOG 4230/5230 (970:129g)	Rivers
Total Hours	12

List of Programs by Department

* **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).

* **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.

International Communication and Media

Required	6
Select 6 hours from the following:	
Communication Studies:	
COMM 4344/5344 Intercultural Communication (48C:151g)	
Anthropology:	
ANTH 3001 Language and Culture (990:177)	
or SOC 3001 Language and Culture (980:177)	
Communication Studies:	
COMM J 4754/5754 Global Mass Communication (48J:151g) Systems *	
or COMM PR Global Public Relations 4822/5822 (48P:170g)	
Electives	6
Select two from the following:	
Management:	
MGMT 3914/5914 Communication Management (150:114g) *	
Communication Studies:	
COMM 4344/5344 Intercultural Communication (48C:151g)	
COMM 4346/5346 Gender Issues in Communication (48C:153g)	
COMM J 4754/5754 Global Mass Communication (48J:151g) Systems	
COMM PR Global Public Relations 4822/5822 (48P:170g)	
Sociology:	
SOC 3060/5060 Sociology of Culture * (980:138g)	
Anthropology:	
ANTH 3001 Language and Culture * (990:177)	
Total Hours	12

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 Intercultural Communication (48C:151g)	
COMM 4346/5346 Gender Issues in Communication (48C:153g)	
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
Languages and Literatures (French):	
FREN 1120 (720:031)	Introduction to Francophone Literature in Translation
Political Science:	
POL INTL 3126 (943:126)	Human Rights

History:

HISEUB 4690/5690 (963:161g)	Modern European Women's History
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Sociology:

SOC 3080/5080 (980:120g)	Immigration and Transnationalism *
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences *

Anthropology:

ANTH 3104/ PSYCH 4608/5608 (400:167g)/ SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective
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Total Hours 12

* These courses listed above have additional prerequisites as follows:

SOC 3080/5080 (980:120g) has prerequisite of *SOC 1000* (980:001) or *ANTH 1002* (990:011), either of which can satisfy LAC Category 5A.

SOC 4071/5071 (980:171g) has prerequisite of *SOC SCI 1020* (900:020) or *SOC 1000* (980:001) or *ANTH 1002* (990:011). Course *SOC SCI 1020* (900:020) can satisfy LAC Category 5C, and course *SOC 1000* (980:001) or *ANTH 1002* (990:011) can satisfy LAC Category 5A.

ANTH 3104/5104 (990:167g) has prerequisite of *PSYCH 1001* (400:001) or *SOC 1000* (980:001) or *ANTH 1002* (990:011).

Course *PSYCH 1001* (400:001) can satisfy LAC Category 5B, and *SOC 1000* (980:001) or *ANTH 1002* (990:011) can satisfy LAC Category 5A.

** Courses HPE 4161/5161 (410:161g) may be taken credit/no credit only. This course will only be applied to the major if a grade of "credit" is achieved.

Global Health

Required 5

Health Promotion:

HPE 4438/5438 (410:138g)	International Health
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Sociology:

SOC/ANTH 3102	Culture, Disease, and Healing *
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Electives 7

Health Promotion:

HPE 4161/5161 (410:161g)	Global 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 (required)
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Environmental Science:

ENV SCI/HPE 4665	Environmental Health Science
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Total Hours 12

* These courses listed above have additional prerequisites as follows:

HPE 4161/5161 (410:161g) has prerequisite of HPE 4167/5167 (410:167g).

SOC 3102/5102 (980:168g) has prerequisite of *SOC 1000* (980:001) or *ANTH 1002* (990:011). Course *SOC 1000* (980:001) or *ANTH 1002* (990:011) can satisfy LAC Category 5A.

** Courses HPE 4161/5161 (410:161g) may be taken credit/no credit only. This course will only be applied to the major if a grade of credit is achieved.

III. GEOGRAPHIC AREA (15 hours)

Choose in consultation with a Global Studies faculty advisor.

See below for course list and specific requirements for each area.

Students must focus on one area; however, they may choose to add an additional area(s) to their program, which will be reflected on their transcripts. Unless otherwise noted, within each area no more than 9 hours may be taken in any one department.

GEOGRAPHIC AREAS:

- Africa/Middle East
- Asia
- Latin America
- Russia/Eastern Europe
- Western Europe

Africa/Middle East

Required 6

Humanities:

HUM 3127 (680:127)	Middle East
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HUM 3128 (680:128)	Africa
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Electives 9

Select three from the following:

World Religions:

RELS 3230 (640:134)	Great Living Religions: Judaism and Islam
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Languages and Literatures (French):

FREN 4008/5008 (720:108g)	Special Topics in Francophone Culture *
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FREN 4028/5028 (720:128g)	Special Topics in Francophone Literature *
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Political Science:

POL COMP 3121 (944:121)	Terrorism and Insurgency
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POL COMP 3165 (944:165)	African Politics
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History:

HISEUA 4480/5480 (962:151g)	The Ancient Near East
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HISNW 4740/5740 (964:175g)	Modern African History
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Geography:

GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic)
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Total Hours 15

List of Programs by Department

* **These courses listed above have additional prerequisites as follows:**

FREN 4008/5008 (720:108g) has prerequisite of FREN 3001/5001 (720:101g).

FREN 4028/5028 (720:128g) has prerequisites of FREN 3001/5001 (720:101g) and FREN 3004 (720:104).

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 Japan (required)
(680:122)

HUM 3124 China (required)
(680:124)

HUM 3125 India (required)
(680:125)

Electives * 9-12

Select three to four of the following:

World Religion:

RELS 3210 Great Living Religions:
(640:130) Hinduism and Buddhism

RELS 3220 Confucianism, Daoism, and
(640:132) Zen

Humanities:

HUM 3122 Japan (required)
(680:122)

HUM 3124 China (required)
(680:124)

HUM 3125 India (required)
(680:125)

Political Science:

POL COMP 3162 Politics of East Asia
(944:162)

History:

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)

HISNW 4870/5870 Pre-Modern Japan
(964:127g)

HISNW 4880/5880 Modern Japan
(964:128g)

Total Hours 12-18

* Restrictions:

1. For courses 680:xxx, no more than 3 hours if only 3 hours is completed in the required field;
2. For courses 964:xxx, no more than 6 hours on the pre-modern period (to approx. 1700).

Latin America

Required 6

Select one of the following:

Humanities:

HUM 3123 Latin America (required) **
(680:123)

HUM 3137 Native Central and South
(680:137) America (required) **

Languages and Literatures:

SPAN 3020 Latin American Culture and
(780:120) Civilization **

Political Science:

POL COMP 3167 Latin American Politics
(944:167)

Electives 9

Select three from the following:

Humanities:

HUM 3123 Latin America (required) **
(680:123)

HUM 3137 Native Central and South
(680:137) America

Languages and Literatures (Spanish):

SPAN 3012 Survey of Spanish American
(780:112) Literature *

SPAN 3020 Latin American Culture and
(780:120) Civilization ***

SPAN 3031 Topics in Spanish American
(780:131) Literature and Culture: *

SPAN 4062/5062 Spanish American Literature:
(780:162g) _____ *

Languages and Literatures (Portuguese):

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

PORT 3123/5123 Multimedia Studies in Culture
(790:123g) *

PORT 3180/5180 Topics in _____ *
(790:180g)

History:

HISNW 4710/5710 Colonial Latin American
(964:176g) History

HISNW 4720/5720 Latin American History
(964:180g)

Anthropology:

ANTH 3302 Archaeology of the New
(990:142) 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 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).
 PORT 3123/5123 (790:123g) and PORT 3180/5180 (790:180g) have prerequisite of PORT 3101/5101 (790:101g).
 ANTH 3302 (990:142) has prerequisite of ANTH 1001 (990:010).
 ** Only one of *HUM 3123 (680:123)* and SPAN 3020 (780:120) will count toward program credit.

Russia/Eastern Europe

Required 6-9

Select one of the following:

Humanities:

HUM 3121 (680:121)	Russia/Soviet Union (required)
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Languages and Literatures:

SLAV 4141/5141 (770:141g)	Russian Culture and Civilization I
SLAV 4142/5142 (770:142g)	Russian Culture and Civilization II

Select one of the following:

Political Science:

POL COMP 3164 (944:164)	Russian and East European Politics
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History:

HISEUB 4650/5650 (963:188g)	Modern Central and Eastern Europe
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Electives 6-9

Select three to four of the following:

Humanities:

HUM 3121 (680:121)	Russia/Soviet Union (required)
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Languages and Literatures (Russian):

SLAV 1120 (770:031)	Introduction to Russian Literature in Translation
SLAV 3111/5111 (770:102g)	Introduction to Russian Literature I
SLAV 3112/5112 (770:104g)	Introduction to Russian Literature II
SLAV 3131/5131 (770:122g)	Special Topics in Literature *
SLAV 3132/5132 (770:132g)	Nineteenth Century Russian Short Fiction *
SLAV 3134/5134 (770:134g)	Twentieth Century Russian Literature *
SLAV 4141/5141 (770:141g)	Russian Culture and Civilization I *
SLAV 4142/5142 (770:142g)	Russian Culture and Civilization II *
SLAV 4196 (770:196)	Senior Seminar *

Political Science:

POL COMP 3164 (944:164)	Russian and East European Politics
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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
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Total Hours	12-18

- * **These courses listed above have additional prerequisites as follows:**
 SLAV 3112/5112 (770:104g) has prerequisite of SLAV 3111/5111 (770:102g).
 SLAV 3131/5131 (770:122g) has prerequisite of SLAV 3101/5101 (770:101g).
 SLAV 3132/5132 (770:132g), SLAV 3134/5134 (770:134g), SLAV 4141/5141 (770:141g), SLAV 4142/5142 (770:142g), and SLAV 4196 (770:196) have prerequisite of SLAV 3102/5102 (770:103g).

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)
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Political Science:

POL COMP 3135 (944:135)	Western European Democracies
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Electives ** 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 *
FREN 4024/5024 (720:124g)	French Civilization *
FREN 4025/5025 (720:125g)	Contemporary France *
FREN 4044/5044 (720:144g)	Special Topics in French Cinema *

Languages and Literatures (German):

GER 1120 (740:031)	Introduction to German Literature in Translation (required)
GER 3004/5004 (740:104g)	Introduction to German Literature *
GER 3016/5016 (740:116g)	Modern Literature and Culture *
GER 3034 (740:134)	German Literature and Cinema *
GER 3036 (740:136)	Current Events in the German-Language Media *
GER 3048/CAP 3148 (CAP:148)	The Holocaust in Literature and Film (required)

List of Programs by Department

GER 4022/5022 (740:122g)	Special Topics in Literature *
GER 4023/5023 (740:123g)	Cultural History of German-Speaking Countries *
GER 4030 (740:130)	Folklore and Myths in German Literature *
GER 4050/5050 (740:150g)	Contemporary Germany and Austria *
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 *

Total Hours

15

- * **These courses listed above have additional prerequisites as follows:**
 FREN 3004 (720:104), FREN 4014/5014 (720:114g), and FREN 4044/5044 (720:144g) 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).
 FREN 4024/5024 (720:124g) and FREN 4025/5025 (720:125g) have prerequisite of FREN 3001/5001 (720:101g).
 GER 3004/5004 (740:104g) has prerequisites of GER 2002 (740:013) and GER 2012 (740:014).
 GER 3016/5016 (740:116g) and GER 4023/5023 (740:123g) have prerequisite of GER 3001/5001 (740:101g).
 GER 4022/5022 (740:122g) has prerequisites of GER 3001/5001 (740:101g) and GER 3004/5004 (740:104g).
 GER 4030 (740:130) and GER 3034 (740:134) have prerequisite of GER 3001/5001 (740:101g) or GER 3003/5003 (740:103g).
 GER 3036 (740:136) has prerequisites of GER 3001/5001 (740:101g) and GER 3004/5004 (740:104g).
 GER 4050/5050 (740:150g) has prerequisite of GER 3001/5001 (740:101g).
 SPAN 3018 (780:118) has prerequisite of SPAN 3004 (780:104) or SPAN 3005 (780:105).
 SPAN 3023 (780:123) has prerequisite of SPAN 2001 (780:011) or SPAN 3050/5050 (780:150g).
 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:
1. No more than 3 hours in courses covering the pre-1700 period;
 2. No more than 6 hours in courses numbering 720:xxx, 740:xxx, and 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 must be used extensively in the student's geographic area of focus. However, because UNI has limited offerings in the languages of Africa/Middle East and Asia, with the approval of a Global Studies advisor, a student may use any foreign language offered at UNI to satisfy the language requirement for these areas. Students focusing on Africa/Middle East and Asia, nevertheless, are strongly encouraged to pursue area-specific language study through other venues. See the University Catalog for the current language offerings of the Department of Languages and Literatures.

V. STRONGLY RECOMMENDED: Study abroad

Study abroad may be used to satisfy program requirements for language, or thematic or geographic area study. If possible, students should complete the core requirements for the Global Studies major prior to participating in a study abroad experience.

VI. STRONGLY RECOMMENDED: The Certificate in Non-Profit Management and American Humanics

Many 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 and Leadership from American Humanics, Inc. 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
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Select one of the following:

Geography:	
GEOG 1110 (970:040)	World Geography
Political Science:	

List of Programs by Department

POL INTL 1024 (943:024)	International Relations	
International Business core:		12
Marketing:		
MKTG 3163 (130:161) or MKTG 3176/5176 (130:177g)	Distribution and Logistics Global Marketing	
Management:		
MGMT 3189 (150:189)	Seminar in International Business	
Financial:		
FIN 3032/5032 (160:158g) or ECON 3261/5261 (920:175g)	International Financial Management International Financial Economics	
Economics:		
ECON 3245/5245 (920:136g) or ECON 3249/5249 (920:143g)	International Economics Economic Development	
International Experience:		0
BUSINESS 3169 (100:169)	International Experience **	
Electives		
Select one of the following:		2-3
Business, Interdepartmental:		
BUSINESS/CAP 3155	Socio-Economic Reality of Central America *	
Management:		
MGMT 3161 (150:161)	Supply Chain and Purchasing	
Political Science:		
POL INTL 4119/5119 (943:119g)	Politics of the Global Economy	
POL INTL 3143 (943:143)	International Law	
POL INTL 3145 (943:145)	International Organizations	
Sociology:		
SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective	
Criminology:		
CRIM 4262/5262 (982:162g)	Crime, Law, and Justice: A 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:

MGMT 3189 Seminar in International
(150:189) Business

International electives:

Select two from the following:

Business, Interdepartmental:

BUSINESS/CAP Socio-Economic Reality of
3155 Central America *

Marketing:

MKTG 3163 Distribution and Logistics
(130:161)

MKTG 3176/5176 Global Marketing
(130:177g)

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:		
Humanities/Literature (required):		6
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 East European 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.

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:		

List of Programs by Department

EDPSYCH 4140/5140 (200:140g)	Social Psychology, Education
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:	
PHIL 3010/CAP 3151 (CAP:151)	Money, Sex and Power: Theories of Race, Class and Gender
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 4150/5150 (640:162g)	Women and Christianity
RELS 4170/5170 (640:168g)	Religion and Sexuality
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

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 the Iowa Communication Network (ICN) and/or other 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 program director. 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, **of which a minimum of 21 hours of 200/6000-level course work, including 3 hours of LYHS 6299 (430:299) is required**. Of these 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
MGMT 6286 (150:286)	"Studies In", 1 hour	1
Psychology:		
PSYCH 6005 (400:254)	Psychology, Law and Philanthropy	2
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. 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. enhance leadership skills for a career in the public or private sector 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 is a **thesis-only** program requiring a **minimum of 34 semester hours** of study; **15 hours of 200/6000-level course work, including 6 hours of xxx 6299/xxx:299, is required**. 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.

Required		
Humanities:		
WGS 6289 (680:289)	Graduate Seminar in Women's and Gender Studies: Comparative Feminist Theories	3
WGS 6290 (680:290)	Introduction to Graduate Research in Women's and Gender Studies	1
Sociology:		
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences	3
History:		
HISUS 4260/5260 (961:146g)	United States Women's History	3
or HISEUB 4690/5690 (963:161g)	Modern European Women's History	
Select one of the following:		3

List of Programs by Department

English:		
ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice	
Philosophy:		
PHIL 6010 (650:250)	Critical Perspectives on Gender	
Research:		
xxxx 6299 (xxx:299) Research		6
Research Methodology		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:		
Education, Interdepartmental:		
INTDEPED 7305 (190:305)	Qualitative Methods in Educational Research	
Measurement and Research:		
MEASRES 7301 (250:301)	Advanced Experimental Research in Education	
Psychology:		
PSYCH 6001 (400:239)	Advanced Statistics	
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 4446/5446 (48C:113g)	Social Protest: Performance and Rhetoric	
COMMGRAD 6042 (48C:222)	Seminar in Communication	
Languages and Literatures:		
ENGLISH 4140/5140 (620:161g)	Literary Criticism	
ENGLISH 6100 (620:201)	Introduction to Graduate Study in English	
History:		
HIST 6050 (960:290)	Historical Methods	
Sociology:		
SOC 4015/5015 (980:178g) or ANTH 4015/5015 (990:178g)	Qualitative Research Methods	
SOC 4025/5025 (980:160g)	Social Data Analysis	
Electives		12
Total Hours		34

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.

A Graduate Certificate in Women's and Gender Studies is also available.

For more information contact the Women's and Gender Studies office, Sabin 225, 319-273-7102, or www.uni.edu/womenstudies.

Master of Business Administration Degree Program

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, engineering, as well as those with degrees in business. The M.B.A. program is accredited by AACSB International, the primary accrediting organization on 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.

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 designed to qualify men and women for creative leadership in business. This program is available on the **non-thesis** option only. Students who enter the program with the undergraduate requirements of a baccalaureate degree in one of the areas of business will normally require **31 semester hours** to complete the program; those 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. 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	
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

Master of Public Policy 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 a Masters in Public Policy Application Form. Both forms may be found at www.uni.edu/publicpolicy. 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, economics, and history 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.

Focus courses allow a student to develop an understanding of a particular substantive or methodological area of policy analysis. Continuing participation in seminars allows discussion of current practice and development, provides a forum for on-going discussion, and includes philosophical orientation to the ethical questions which arise in policy contexts. An internship with a public policy organization introduces the student to the professional environment and allows application of 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

Philosophy:		
PHIL 6510 (650:245)	Ethics in Public Policy	2
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	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		
3		
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.

List of Programs by Department

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:
3.

ECON 3221/5221	Public Finance	3
(920:117g)		
ECON 3229/5229	Cost-Benefit Analysis	3
(920:125g)		
POL AMER	Public Organizations	3
4153/5153		
(942:153g)		
POL AMER	The Public Policy Process	3
4173/5173		
(942:173g)		

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 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		
Philosophy:		
PHIL 6510 (650:245)	Ethics in Public Policy	2
Public Policy:		
PUBPOL 6205 (950:205)	Research Seminar in Public Policy	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		
3		
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 any specific program certificates, contact the college or department indicated or the Office of the Registrar, which serves as the centralized registry.

College of Business Administration

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

List of Programs by Department

a Declaration of Curriculum form. The form may be obtained in CBB 5.

International Business

MGMT 3189 (150:189)	Seminar in International Business	3
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Cultural and Political Perspectives

Select one of the following: 3

Political Science:

POL INTL 1024 (943:024)	International Relations *	3
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Geography:

GEOG 1110 (970:040)	World Geography *	3
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Sociology:

SOC 1000 (980:001)	Introduction to Sociology *	3
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Anthropology:

ANTH 1002 (990:011)	Culture, Nature, and Society **	3
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Foreign Language and History ***

Select one of the language options below: 5-24

Chinese (8-18 hours)

CHIN 1001 (710:001)	Elementary Chinese I **	5
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CHIN 1002 (710:002)	Elementary Chinese II **	5
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CHIN 1011 (710:011)	Intermediate Chinese I	5
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Select one of the following:

RELS 3210 (640:130)	Great Living Religions: Hinduism and Buddhism	3
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RELS 3220 (640:132)	Confucianism, Daoism, and Zen	3
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HUM 3124 (680:124)	China *	3
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POL COMP 3162 (944:162)	Politics of East Asia	3
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HISNW 4850/5850 (964:183g)	Pre-Modern Chinese History	3
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HISNW 4860/5860 (964:187g)	Modern Chinese History	3
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SOC 3102/5102 (980:168g)	Culture, Disease, and Healing	3
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ANTH 3412/5412 (990:157g)	Ritual and Symbolism	3
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French (7-24 hours)

FREN 1001 (720:001)	Introduction to French Language and Culture I **	3-4
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FREN 1002 (720:002)	Introduction to French Language and Culture II **	3-4
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FREN 1011 (720:003)	French Communication Practice I **	1-2
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FREN 1012 (720:004)	French Communication Practice II **	1-2
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FREN 2001 (720:011)	Intermediate French Language and Culture	3-4
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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
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FREN 2002 (720:051)	Composition	2-3
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FREN 2012 (720:061)	Conversation	2-3
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HISEUB 4620/5620 (963:174g)	History of Modern France	3
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German (7-18 hours)

GER 1001 (740:001)	German Language and Culture I **	3
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GER 1002 (740:002)	German Language and Culture II **	3
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GER 1011 (740:003)	German Communication Practice I **	2
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GER 1012 (740:004)	German Communication Practice II **	2
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GER 2001 (740:011)	German Language and Culture III	3
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GER 2011 (740:012)	German Communication Practice III	2
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Select one of the following:

GER 2002 (740:013)	German Language and Culture IV	3
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GER 2012 (740:014)	German Communication Practice IV	2
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GER 1120 (740:031)	Introduction to German Literature in Translation *	3
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GER 2051 (740:111)	Business German	3
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GER 3032 (740:132)	The German-American Experience	3
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GER 3048/CAP 3148 (CAP:148)	The Holocaust in Literature and Film	3
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HISEUA 4460/5460 (962:171g)	History of Germany to 1648	3
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HISEUB 4630/5630 (963:172g)	History of Germany Since 1648	3
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Russian (8-20)

SLAV 1001 (770:001)	Elementary Russian Language and Culture I **	3
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SLAV 1002 (770:002)	Elementary Russian Language and Culture II **	3
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SLAV 1011 (770:003)	Elementary Russian Practice I **	2
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SLAV 1012 (770:004)	Elementary Russian Practice II **	2
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SLAV 2001 (770:011)	Intermediate Russian Language and Culture I	3
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SLAV 2011 (770:013)	Intermediate Russian Practice I	2
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Select one of the following:

HUM 3121 (680:121)	Russia/Soviet Union *	3
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SLAV 2002 (770:012)	Intermediate Russian Language and Culture II	3
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SLAV 2012 (770:014)	Intermediate Russian Practice II	2
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SLAV 1120 (770:031)	Introduction to Russian Literature in Translation	3
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POL COMP 3164 (944:164)	Russian and East European Politics	3
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List of Programs by Department

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:		
SOC SCI 1023 (900:023)	American Civilization *	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: 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 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			
Two courses from the list approved for the Leadership Studies minor for a total of 6 hours.			6
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:			
Languages and Literatures:			
ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice		3
Philosophy:			
PHIL 6010 (650:250)	Critical Perspectives on Gender		
Humanities:			

WGS 6289 (680:289)	Graduate Seminar in Women’s and Gender Studies: Comparative Feminist Theories		
Sociology:			
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences		
Electives			
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		
Design, Textiles, Gerontology, & Family Studies:			
FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships		
TEXDSGN 4015/5015 (31T:114g)	Dress and Human Behavior		
Health Promotion:			
HPE 4328/5328 (410:128g)	Selected Topics in Women’s Health		
HPE 4162/5162 (410:162g)	Introduction to Women’s Health		
Political Science:			
POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law		
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:			

List of Programs by Department

RELS 4150/5150 (640:162g)	Women and Christianity	
RELS 4170/5170 (640:168g)	Religion and Sexuality	
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 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 (980:102)/ANTH 3470 (990:102)	Conflict Resolution	3
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 4170/5170 (280:170g)	Human Relations: Awareness and Application	
School of Applied Human Sciences:		
FAM SERV 1010 (31F:010)	Human Identity and Relationships	
FAM SERV 1020 (31F:020)	Family Relationships	
FAM SERV 3145/5145 (31F:145g)	Violence in Intimate Relationships	
FAM SERV 4153/5153 (31F:153g)	Family Relationships in Crisis	
Psychology:		
PSYCH 2201 (400:060)	Psychology of Gender Differences **	
PSYCH 2203 (400:160)	Social Psychology **	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences **	
Social Work:		
SW 4143/5143 (450:143g)	Stress and Stress Management in the Helping Professions	
Communication Studies:		
COMM 4316/5316 (48C:136g)	Mediation Theory and Process **	
COMM 4344/5344 (48C:151g)	Intercultural Communication	
COMM 4346/5346 (48C:153g)	Gender Issues in Communication	
COMM 4355/5355 (48C:141g)	Listening	
COMM 4447/5447 (48C:108g)	Performance and Social Change	
Macro Systems track courses		
Social Work/Social Science:		
SW/SOC SCI 1041	Social Welfare: A World View	
SW 4163/5163 (450:163g)	Minority Group Relations **	
Social Science:		
SOC SCI 1020 (900:020)	Women, Men, and Society	
Political Science:		
POL INTL 3120 (943:120)	International Security	
POL INTL 4125/5125 (943:125g)	North-South Relations	
POL INTL 3126 (943:126)	Human Rights	
POL COMP 3123 (944:123)	Nationalism	
History:		
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present	
Geography:		
GEOG 3220 (970:100)	Environmental Geography	

GEOG 4140/5140 (970:116g)	Geopolitics: (Variable Topic)
Sociology:	
SOC 2040 (980:156g)	Social Movements **
SOC 2075 (980:100g)	Social Psychology **
SOC 3045/5045 (980:135g)	Social Inequality **
SOC/ANTH 3080	Immigration and Transnationalism **
Total Hours	15

* Courses are listed under separate tracks to guide your preference of micro or macro preparation. At least one course must be selected from each track. A minimum grade of C is required for each course.

** These courses have additional prerequisites as follows:
 PSYCH 2201 (400:060), PSYCH 3404/5404 (400:106g), and PSYCH 2203 (400:160), have prerequisite of PSYCH 1001 (400:001). Course PSYCH 1001 (400:001) may be used to satisfy Category 5B of the Liberal Arts Core.
 SW 4163/5163 (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.

Iowa Teacher Intern License Pathway (ITILP) - Answering the Call to Teach

(Regents Collaborative Program)

www.iowateacherintern.org.

The Iowa Teacher Intern License Pathway (ITILP) - *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 ITILP 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

Early August

One face-to-face Saturday of orientation to meet faculty and fellow students and to become acclimated to technology and the demands of the program.

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 in which the internship occurs, if possible.
- 1 semester hour: 8 contact hours of field experience; focus on investigations in intern school.

June-July

7S:163/EDTL:3063 Pre-intern Summer II (6 semester hours)

Prerequisite: 7S:162/EDTL:3062

- Focus on content specific methods, classroom management, assessment and preparation for the internship experience.

August-May/June

7S:164/EDTL:3064 Internship Experience I and II (two 3 semester hour seminars; repeat registration for spring term)

Prerequisite: 7S:163/EDTL:3063

- 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

List of Programs by Department

- Conclusion of program; focus on final assignments.
- Recommendation for initial licensure.

Department of Languages and Literatures

(College of Humanities, Arts and Sciences)

www.uni.edu/english

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
- Spanish
- Spanish-Teaching
- 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

- 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
- Certificate in 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 an equivalent designated 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:

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 to Early Modernity	3
ENGLISH 2340 (620:043)	Survey of English Literature: Romantics to Post-Colonialism	3
ENGLISH 2420 (620:053)	Survey of American Literature	3
Select one of the following:		3
English:		
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication **	
ENGLISH 4710 (620:103)	The Personal Essay	
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants **	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication **	
ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing	
ENGLISH 4740/5740 (620:174g)	Poetry Workshop **	
ENGLISH 4750/5750 (620:175g)	Fiction Workshop **	
Journalism:		
COMM J 4735/5735 (48J:171g)	Advanced Reporting **	
TESOL/Applied Linguistics:		

List of Programs by Department

TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
or TESOL 4110/5110 (630:130g)	The Structure of English	
Electives in English literature, at least two courses from each group		18
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 4688/5688 (620:126g)	Genre Seminar: _____	
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____	
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____	
Group A: Literature in English to 1800: *		
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 4380/5380 (620:147g)	Milton	
ENGLISH 4375/5375 (620:148g)	Shakespeare	
ENGLISH 4410/5410 (620:151g)	Early American Literature	
Group B: Literature in English since 1800: *		
ENGLISH 4615/5615 (620:115g)	Modern Drama	
ENGLISH 4330/5330 (620:118g)	British Romantic Writers	
ENGLISH 4335/5335 (620:119g)	British Victorian Writers	
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 4445/5445 (620:124g)	20th-Century American Novel
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4340/5340 (620:156g)	British Novel to 1900
Group C: Literary Theory, Film, Cross-Cultural: *	
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature
ENGLISH 4140/5140 (620:161g)	Literary Criticism
ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4577/CAP 3187 (CAP:187)	Blues and Jazz in African American Film and Literature

Electives in English language, literature or writing	3
Total Hours	42

List of Programs by Department

** 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 4715/5715 (620:108g) or consent of instructor. ENGLISH 4750/5750 (620:175g) has prerequisite of ENGLISH 4725/5725 (620:109g) 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:		
ENGLISH 2120 (620:034)	Critical Writing About Literature	3
ENGLISH 2520 (620:040)	Multicultural Literature	3
ENGLISH 2320 (620:042)	Survey of English Literature to Early Modernity	3
ENGLISH 2340 (620:043)	Survey of English Literature: Romantics to Post-Colonialism	3
ENGLISH 2420 (620:053)	Survey of American Literature	3
Select one of the following:		3
English:		
ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication **	
ENGLISH 4710 (620:103)	The Personal Essay	
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants **	
ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication **	
ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing	
COMM J 4735/5735 (48J:171g)	Advanced Reporting **	
TESOL/Applied Linguistics:		
TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
or TESOL 4110/5110 (630:130g)	The Structure of English	
Select one of the following:		3
TESOL 4140/5140 (630:143g)	History of the English Language	
ENGLISH 4940/5940 (620:165g)	Literature for Young Adults	

TESOL 4710/5710 (630:190g)	Applied English Linguistics for Teachers	
TESOL 4310/5310 (630:195g)	Modern English Grammar and Usage	
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
English:		
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
Electives in English literature, at least one course from each group:		9
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 4688/5688 (620:126g)	Genre Seminar: _____	
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____	
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____	
Group A: Literature in English to 1800: *		
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 4380/5380 (620:147g)	Milton	
ENGLISH 4375/5375 (620:148g)	Shakespeare	
ENGLISH 4410/5410 (620:151g)	Early American Literature	
Group B: Literature in English since 1800: *		

List of Programs by Department

ENGLISH 4615/5615 (620:115g)	Modern Drama
ENGLISH 4330/5330 (620:118g)	British Romantic Writers
ENGLISH 4335/5335 (620:119g)	British Victorian Writers
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 4445/5445 (620:124g)	20th-Century American Novel
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4340/5340 (620:156g)	British Novel to 1900
Group C: Literary Theory, Film, Cross-Cultural: *	
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature
ENGLISH 4140/5140 (620:161g)	Literary Criticism
ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism

ENGLISH 4577/CAP 3187 (CAP:187)	Blues and Jazz in African American Film and 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 (780:101)	Advanced Writing
or SPAN 3050/5050 (780:150g)	Written Communication
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

List of Programs by Department

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

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 4090/5090 (700:190g)	The Teaching of Foreign Languages	3
LANG 4093/5093 (700:193g)	Technology in Foreign 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:		31

SPAN 3001 (780:101)	Advanced Writing	
or SPAN 3050/5050 (780:150g)	Written Communication	
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:	

at least 27 hours must be in courses numbered 100/3000-level or higher, and including at least two courses from group A or 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 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		38

** SPAN 3005 (780:105) is highly recommended for teaching majors.

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

Group A:		
ENGLISH 2120 (620:034)	Critical Writing About Literature	
Group B:		
ENGLISH 2320 (620:042)	Survey of English Literature to Early Modernity	
ENGLISH 2420 (620:053)	Survey of American Literature *	
Group C:		
ENGLISH 2520 (620:040)	Multicultural Literature	
ENGLISH 2340 (620:043)	Survey of English Literature: Romantics to Post-Colonialism	
ENGLISH 2420 (620:053)	Survey of American Literature *	

Select one of the following: 3

ENGLISH 4710 (620:103)	The Personal Essay	
ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants	

List of Programs by Department

ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication	
ENGLISH 4920/5920 (620:193g)	The Teaching of Writing	
TESOL/Applied Linguistics:		
TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
or TESOL 4110/5110 (630:130g)	The Structure of English	
TESOL 4540/5540 (630:160g)	Sociolinguistics	3
or TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	
TESOL 4350/5350 (630:154g)	Phonology	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4340/5340 (630:192g)	Problems in English Grammar	3
TESOL 4740/5740 (630:193g)	TESOL I: Methods and Approaches	3
TESOL 4760/5760 (630:194g)	TESOL II: Pedagogical Strategies	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
Electives in TESOL/Applied Linguistics		3
Electives in literature or TESOL/Applied Linguistics		3
Total Hours		42

* Note: ENGLISH 2420 (620:053) may be used for Group B or Group C but not both.

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:

English: literature core-at least one course from each group:		9
Group A:		
ENGLISH 2120 (620:034)	Critical Writing About Literature	
Group B:		
ENGLISH 2320 (620:042)	Survey of English Literature to Early Modernity	

ENGLISH 2420 (620:053)	Survey of American Literature *	
Group C:		
ENGLISH 2520 (620:040)	Multicultural Literature	
ENGLISH 2340 (620:043)	Survey of English Literature: Romantics to Post- Colonialism	
ENGLISH 2420 (620:053)	Survey of American Literature *	
Select one of the following:		3
ENGLISH 4710 (620:103)	The Personal Essay	
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	
TESOL/Applied Linguistics:		
TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
or TESOL 4110/5110 (630:130g)	The Structure of English	
TESOL 4540/5540 (630:160g)	Sociolinguistics	3
or TESOL 4520/5520 (630:163g)	Cultural Aspects of Language and Language Teaching	
TESOL 4350/5350 (630:154g)	Phonology	3
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4340/5340 (630:192g)	Problems in English Grammar	3
TESOL 4740/5740 (630:193g)	TESOL I: Methods and Approaches	3
TESOL 4760/5760 (630:194g)	TESOL II: Pedagogical Strategies	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
Electives in TESOL/Applied Linguistics		3
Electives in literature or TESOL/Applied Linguistics		3
Total Hours		42

* Note: ENGLISH 2420 (620:053) may be used for Group B or Group C but not both.

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.

List of Programs by Department

TESOL/Modern Language Major-Teaching (Extended Program)

The TESOL/Modern Language Major-Teaching requires a minimum of 134 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 134 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:

English:

ENGLISH 2120 (620:034)	Critical Writing About Literature	3
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Select one of the following: 3

ENGLISH 4710 (620:103)	The Personal Essay	
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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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TESOL/Applied Linguistics:

TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
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or TESOL 4110/5110 The Structure of English (630:130g)

TESOL 4350/5350 (630:154g)	Phonology	3
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TESOL 4540/5540 (630:160g)	Sociolinguistics	3
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TESOL 4510/5510 (630:165g)	Language Development	3
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TESOL 4340/5340 (630:192g)	Problems in English Grammar	3
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TESOL 4740/5740 (630:193g)	TESOL I: Methods and Approaches	3
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TESOL 4760/5760 (630:194g)	TESOL II: Pedagogical Strategies	3
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TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
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30 hours from one of the language emphases below 30

Total Hours 60

Emphases

French

Languages:

LANG 4090/5090 (700:190g)	The Teaching of Foreign Languages	2-4
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LANG 4093/5093 (700:193g)	Technology in Foreign Language Education	2-3
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French:

FREN 2001 (720:011)	Intermediate French Language and Culture	3-4
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FREN 2011 (720:012)	Intermediate French Communication Practice	1-2
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FREN 2002 (720:051)	Composition	3
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FREN 2012 (720:061)	Conversation	2
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FREN 3001/5001 (720:101g)	Advanced Composition	3
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FREN 3004 (720:104)	Introduction to French Literature	3
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FREN 4005/5005 (720:105g)	Stylistics	3
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FREN 4024/5024 (720:124g)	French Civilization	3
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or FREN 4025/5025 (720:125g)	Contemporary France	
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FREN 4091 (720:191)	Practicum in Teaching French	2
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At least one French literature course; and electives in French more advanced than FREN 1002 (720:002) and FREN 1012 (720:004).

German

Languages:

LANG 4090/5090 (700:190g)	The Teaching of Foreign Languages	2-4
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LANG 4093/5093 (700:193g)	Technology in Foreign Language Education	2-3
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German:

GER 2001 (740:011)	German Language and Culture III	3
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GER 2011 (740:012)	German Communication Practice III	2
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GER 2002 (740:013)	German Language and Culture IV	3
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GER 2012 (740:014)	German Communication Practice IV	2
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GER 3001/5001 (740:101g)	German Writing Practice	2-3
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GER 3003/5003 (740:103g)	German Conversation	2-3
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GER 4023/5023 (740:123g)	Cultural History of German-Speaking Countries	3
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or GER 4050/5050 (740:150g)	Contemporary Germany and Austria	
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GER 4091 (740:191)	Practicum in Teaching German	2
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At least one German literature course and electives in German more advanced than GER 1002 (740:002) and GER 1012 (740:004).

Russian

Languages:

LANG 4090/5090 (700:190g)	The Teaching of Foreign Languages	2-4
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LANG 4093/5093 (700:193g)	Technology in Foreign Language Education	2-3
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Russian:

SLAV 2001 (770:011)	Intermediate Russian Language and Culture I	3
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SLAV 2002 (770:012)	Intermediate Russian Language and Culture II	3
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SLAV 2011 (770:013)	Intermediate Russian Practice I	2
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List of Programs by Department

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

Languages:

LANG 4090/5090 (700:190g)	The Teaching of Foreign Languages	2-4
LANG 4093/5093 (700:193g)	Technology in Foreign Language Education	2-3

Spanish:

SPAN 2002 (780:055)	Oral and Written Spanish	4
SPAN 3001 (780:101) or SPAN 3050/5050 (780:150g)	Advanced Writing Written Communication	3
SPAN 3004 (780:104) or SPAN 3005 (780:105)	Introduction to Hispanic Literature Literary Miniatures	3
SPAN 3007 (780:107) & SPAN 3008/5008 (780:108g)	Introduction to Translation and Introduction to Spanish Linguistics	2

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) or SPAN 4046/5046 (780:146g) or SPAN 4047/5047 (780:147g)	Translation Topics in Language and Culture: _____	2-3
SPAN 4091 (780:191)	Practicum in Teaching Spanish	2

Electives in Spanish more advanced than SPAN 1002 (780:002).

Note: International students must have achieved a TOEFL paper-based score of 600 or computer-based score of 250 or the equivalent.

Minors

English Minor

Choose ONE option - 24 hours

Literary Studies Option

Required:

English:		
ENGLISH 2120 (620:034)	Critical Writing About Literature	3
ENGLISH 2320 (620:042)	Survey of English Literature to Early Modernity	3
Select two of the following:		6
ENGLISH 2520 (620:040)	Multicultural Literature	
ENGLISH 2340 (620:043)	Survey of English Literature: Romanticism to Post-Colonialism	
ENGLISH 2420 (620:053)	Survey of American Literature	
TESOL/Applied Linguistics:		
TESOL 4120/5120 (630:125g)	Introduction to Linguistics	3
or TESOL 4110/5110 (630:130g)	The Structure of English	
Electives in English literature, at least one course from each group:		9
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 4688/5688 (620:126g)	Genre Seminar: _____	
ENGLISH 4188/5188 (620:150g)	Author Seminar: _____	
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____	
Group A: Literature in English to 1800:		
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 4380/5380 (620:147g)	Milton	
ENGLISH 4375/5375 (620:148g)	Shakespeare	
ENGLISH 4410/5410 (620:151g)	Early American Literature	
Group B: Literature in English since 1800:		

List of Programs by Department

ENGLISH 4615/5615 (620:115g)	Modern Drama
ENGLISH 4330/5330 (620:118g)	British Romantic Writers
ENGLISH 4335/5335 (620:119g)	British Victorian Writers
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 4445/5445 (620:124g)	20th-Century American Novel
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914
ENGLISH 4340/5340 (620:156g)	British Novel to 1900
Group C: Literary Theory, Film, Cross-Cultural:	
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture
ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4540/5540 (620:157g)	African American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature
ENGLISH 4140/5140 (620:161g)	Literary Criticism
ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism

ENGLISH 4577/CAP 3187 (CAP:187)	Blues and Jazz in African American Film and Literature	
Total Hours		24

Film Studies Option

Required:

English:		
ENGLISH 2650 (620:035)	Introduction to Film	3
ENGLISH 4652/5652 (620:139g)	Film and Literature	3
ENGLISH 4660/5660 (620:142g)	Film History	3
ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism	3
English electives - literature in English		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

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 to Early Modernity	3
ENGLISH 2340 (620:043)	Survey of English Literature: Romantics 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.

Spanish Minor

Required:

Spanish:		
SPAN 3001 (780:101) or SPAN 3050/5050 (780:150g)	Advanced Writing Written Communication	3
3 hours in Spanish courses more advanced than SPAN 3001 (780:101)		3
15 hours in Spanish in courses more advanced than SPAN 1002 (780:002)		15
Total Hours		21

Spanish Minor-Teaching

Required:

Methods:		7-9
LANG 4090/5090 (700:190g)	The Teaching of Foreign Languages	
LANG 4093/5093 (700:193g)	Technology in Foreign Language Education	
SPAN 4091 (780:191)	Practicum in Teaching Spanish	
Spanish:		
SPAN 3001 (780:101) or SPAN 3050/5050 (780:150g)	Advanced Writing Written Communication	3
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		29

Teaching English to Speakers of Other Languages (TESOL) Minor

Required:

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
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4340/5340 (630:192g)	Problems in English Grammar	3
TESOL 4740/5740 (630:193g)	TESOL I: Methods and Approaches	3
TESOL 4760/5760 (630:194g)	TESOL II: Pedagogical Strategies	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	3
Total Hours		24

Teaching English to Speakers of Other Languages (TESOL) Minor-Teaching

Required:

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
TESOL 4510/5510 (630:165g)	Language Development	3
TESOL 4340/5340 (630:192g)	Problems in English Grammar	3
TESOL 4740/5740 (630:193g)	TESOL I: Methods and Approaches	3
TESOL 4760/5760 (630:194g)	TESOL II: Pedagogical Strategies	3
TESOL 4720/5720 (630:196g)	Bilingual Education in the Public Schools	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)	Introduction to Literature	3
or ENGLISH 2120 (620:034)	Critical Writing About Literature	
ENGLISH 2715 (620:070) & ENGLISH 2725 (620:071)	Beginning Poetry Writing and Beginning Fiction Writing	3-6
or ENGLISH 2725 (620:071)	Beginning Fiction Writing	
ENGLISH 4715/5715 (620:108g) & ENGLISH 4725/5725 (620:109g)	Craft of Poetry and Craft of Fiction	3-6
or ENGLISH 4725/5725 (620:109g)	Craft of Fiction	
ENGLISH 4740/5740 (620:174g) & ENGLISH 4750/5750 (620:175g)	Poetry Workshop and Fiction Workshop	3-6
or ENGLISH 4750/5750 (620:175g)	Fiction Workshop	
Elective in a studio or performance course in art, music, or theatre		0-3
Elective(s):		0-6

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ENGLISH 4780/5780 (620:107g)	Professional Editing *	
And/or courses in creative writing and/or literature, including literature in a language other than English		
Total hours		18

* 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 contact the Department of Languages and Literatures for other admission 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 30-36 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; and
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, 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
English Literature electives selected from the following:		21

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 4120/5120 (620:128g)	Images of Women in Literature
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ENGLISH 4140/5140 (620:161g)	Literary Criticism
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ENGLISH 4188/5188 (620:150g)	Author Seminar: _____	ENGLISH 4615/5615 (620:115g)	Modern Drama
ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____	ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture	ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4315/5315 (620:113g)	Early Modern Drama	ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4320/5320 (620:116g)	English Renaissance	ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature	ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4330/5330 (620:118g)	British Romantic Writers	ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____
ENGLISH 4335/5335 (620:119g)	British Victorian Writers	ENGLISH 6110 (620:204)	Topics in Literary Criticism
ENGLISH 4340/5340 (620:156g)	British Novel to 1900	ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice
ENGLISH 4345/5345 (620:120g)	20th-Century British Novel	ENGLISH 6140 (620:208)	Contemporary Literary Theory
ENGLISH 4370/5370 (620:144g)	Chaucer	ENGLISH 6188 (620:284)	Seminar in Literature
ENGLISH 4375/5375 (620:148g)	Shakespeare	ENGLISH 6310 (620:220)	Medieval English Literature
ENGLISH 4380/5380 (620:147g)	Milton	ENGLISH 6320 (620:221)	English Renaissance Literature
ENGLISH 4410/5410 (620:151g)	Early American Literature	ENGLISH 6330 (620:223)	Restoration and 18th Century English Literature
ENGLISH 4420/5420 (620:121g)	The American Renaissance	ENGLISH 6340 (620:226)	19th Century English Literature
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI	ENGLISH 6350 (620:226)	Modern English Literature
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914	ENGLISH 6420 (620:231)	American Romantic Literature
ENGLISH 4445/5445 (620:124g)	20th-Century American Novel	ENGLISH 6430 (620:232)	Issues in American Literature, 1865-1914
ENGLISH 4540/5540 (620:157g)	African American Literature	ENGLISH 6450 (620:234)	Modern American Literature
ENGLISH 4560/5560 (620:158g)	Asian American Literature	ENGLISH 6540 (620:260)	Contemporary Literature
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry	English electives selected from the following:	6
		ENGLISH 4025/5025 (620:163g)	Theory and Practice of Writing
		ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice
		ENGLISH 4120/5120 (620:128g)	Images of Women in Literature
		ENGLISH 4140/5140 (620:161g)	Literary Criticism
		ENGLISH 4188/5188 (620:150g)	Author Seminar: _____

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ENGLISH 4190/5190 (620:188g)	Seminar in Literature: _____	ENGLISH 4632/5632 (620:172g)	Literary Nonfiction
ENGLISH 4310/5310 (620:110g)	Old English Language, Literature, and Culture	ENGLISH 4652/5652 (620:139g)	Film and Literature
ENGLISH 4315/5315 (620:113g)	Early Modern Drama	ENGLISH 4660/5660 (620:142g)	Film History
ENGLISH 4320/5320 (620:116g)	English Renaissance	ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4325/5325 (620:117g)	18th-Century British Literature	ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4330/5330 (620:118g)	British Romantic Writers	ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____
ENGLISH 4335/5335 (620:119g)	British Victorian Writers	ENGLISH 4715/5715 (620:108g)	Craft of Poetry
ENGLISH 4340/5340 (620:156g)	British Novel to 1900	ENGLISH 4725/5725 (620:109g)	Craft of Fiction
ENGLISH 4345/5345 (620:120g)	20th-Century British Novel	ENGLISH 4740/5740 (620:174g)	Poetry Workshop
ENGLISH 4370/5370 (620:144g)	Chaucer	ENGLISH 4750/5750 (620:175g)	Fiction Workshop
ENGLISH 4375/5375 (620:148g)	Shakespeare	ENGLISH 4765/5765 (620:102g)	Applied Writing: Workplace Communication
ENGLISH 4380/5380 (620:147g)	Milton	ENGLISH 4770/5770 (620:104g)	Applied Writing: Proposals and Grants
ENGLISH 4410/5410 (620:151g)	Early American Literature	ENGLISH 4775/5775 (620:105g)	Applied Writing: Technical Communication
ENGLISH 4420/5420 (620:121g)	The American Renaissance	ENGLISH 4780/5780 (620:107g)	Professional Editing
ENGLISH 4425/5425 (620:123g)	American Realism and Naturalism to WWI	ENGLISH 4785/5785 (620:177g)	Applied Writing: Projects and Careers
ENGLISH 4430/5430 (620:153g)	American Poetry to 1914	ENGLISH 4790/5790 (620:197g)	Professional Writing Practicum
ENGLISH 4445/5445 (620:124g)	20th-Century American Novel	ENGLISH 4990/5990 (620:195g)	Seminar in Teaching College Writing
ENGLISH 4540/5540 (620:157g)	African American Literature	ENGLISH 6110 (620:204)	Topics in Literary Criticism
ENGLISH 4560/5560 (620:158g)	Asian American Literature	ENGLISH 6120 (620:206)	Feminist Literary Theories and Practice
ENGLISH 4602/5602 (620:134g)	Modern/Postmodern Poetry	ENGLISH 6140 (620:208)	Contemporary Literary Theory
ENGLISH 4615/5615 (620:115g)	Modern Drama	ENGLISH 6188 (620:284)	Seminar in Literature
		ENGLISH 6310 (620:220)	Medieval English Literature
		ENGLISH 6320 (620:221)	English Renaissance Literature

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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
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 4025/5025 (620:163g)	Theory and Practice of Writing	
ENGLISH 4040/5040 (620:164g)	Digital Writing: Theory and Practice	
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 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	

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ENGLISH 4664/5664 (620:182g)	Film Theory and Criticism
ENGLISH 4672/5672 (620:170g)	Electronic Literature
ENGLISH 4688/5688 (620:126g)	Genre Seminar: _____
ENGLISH 4715/5715 (620:108g)	Craft of Poetry
ENGLISH 4725/5725 (620:109g)	Craft of Fiction
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.		

Creative Writing Emphasis: Available on the thesis option only.

Required:

Languages and Literatures:

ENGLISH 6100 (620:201)	Introduction to Graduate Study in English	3
ENGLISH 4715/5715 (620:108g) or ENGLISH 4725/5725 (620:109g)	Craft of Poetry * Craft of Fiction	3-6
ENGLISH 4740/5740 (620:174g) or ENGLISH 4750/5750 (620:175g) and/or	Poetry Workshop * Fiction Workshop	6-12
ENGLISH 6720 (620:270)	Graduate Creative Writing Workshop	
Research:		
ENGLISH 6299 (620:299)	Research	6
Electives (planned with English Graduate Coordinator):		
English Literature electives must include 6 hours of 200/6000-level courses		12-15
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 4715/5715 (620:108g), ENGLISH 4725/5725 (620:109g), 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. 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 undergraduate purpose in target language
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.

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 LANG 4090/5090 (700:190g) , SPAN 3001

(780:101) and SPAN 3003 (780:103) , 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
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Must be taught in Spanish, with at least one course at 200/6000-level

Literature courses	8
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Must be taught in Spanish, with at least two courses at 200/6000-level

Electives in Spanish	2
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Total Hours	34
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Major in Teaching English in Secondary Schools

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the Department of Languages and Literatures for other admission 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 submit a Graduate Student Portfolio and complete an approved research paper. See 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

List of Programs by Department

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 contact the Department of Languages and Literatures for other admission 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**. The thesis option includes 6 hours of TESOL 6299 (630:299) 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. See the TESOL Graduate Coordinator for details.

All students who have not had the following courses, or the equivalent, must include these courses as part of their graduate major:

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
Total Hours		9

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:

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 English Grammar	3
TESOL 4740/5740 (630:193g)	TESOL I: Methods and Approaches	3
TESOL 4760/5760 (630:194g)	TESOL II: Pedagogical Strategies	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 (630:299), 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 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 contact the Department of Languages and Literatures for other admission 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 Languages and Literatures faculties. See the TESOL Graduate Coordinator for details.

Required:

TESOL/Applied Linguistics:		
TESOL 4340/5340 (630:192g)	Problems in English Grammar	3
TESOL 4740/5740 (630:193g)	TESOL I: Methods and Approaches	3
or TESOL 4760/5760 (630:194g)	TESOL II: Pedagogical Strategies	
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 4090/5090 (700:190g)	The Teaching of Foreign Languages *	2-4
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 (720:289)	Seminar	
Plus courses approved by the graduate French advisor.		6
Total Hours		15

German Emphasis:

Languages:		
LANG 4090/5090 (700:190g)	The Teaching of Foreign Languages *	2-4
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 4090/5090 (700:190g)	The Teaching of Foreign Languages *	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

* LANG 4090/5090 (700:190g) is required for a teaching endorsement in Modern Languages; LANG 4090/5090 (700:190g) has a required corequisite FREN 4091 (720:191) / GER 4091 (740:191) / SLAV 4091 (770:191) / SPAN 4091 (780:191) (2 hours), which cannot count toward an M.A. degree.

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.

List of Programs by Department

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	
Spanish:		9
9 hours of course work, selected from the following:		
SPAN 3020 (780:120)	Latin American Culture and Civilization	
SPAN 3023 (780:123)	Culture and Civilization of Spain	
SPAN 3027 (780:127)	Latinos in the United States	
SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture	
SPAN 4041/5041 (780:141g)	Hispanic Cultures: Film and Multimedia	
SPAN 4046/5046 (780:146g)	Topics in Language and Culture: _____	
SPAN 4066/5066 (780:166g)	Topics in Literature and Culture: _____	
Total Hours		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)	Seminar in International Business	3
Advanced writing course:		
7xx:101		3
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	
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	

List of Programs by Department

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	
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	
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	
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:

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 4740/5740 (630:193g)	TESOL I: Methods and Approaches	3
TESOL 4760/5760 (630:194g)	TESOL II: Pedagogical Strategies	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)	Freshman Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professional 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		
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)	Seminar in International Business
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)	Ethics in Business

Choose one other elective: 3

Upper-level (100/3000/4000-level) course from Accounting, Economics, Finance, Marketing (exceptions listed below) OR another 3-hour Management elective from above.

Exceptions:

Accounting:

ACCT 3055 (120:144)	VITA: Individual Income Tax Preparation
ACCT 3090 (120:169)	Internship — Accounting
ACCT 3092/5092 (120:170g)	Special Problems — Accounting
ACCT 3094 (120:185)	Individual Readings
ACCT 3179 (120:179)	Cooperative Education in Accounting
ACCT 4080 (120:148)	FAR Review

ACCT 4084 (120:150) Auditing Review

Economics:

ECON 3077 (920:177)	Internship in Community Economic Development
ECON 3179 (920:179)	Cooperative Education in Economics
ECON 4380/5380 (920:181g)	Directed Research in Economics

Finance:

FIN 3080 (160:170)	Special Problems
FIN 3179 (160:179)	Cooperative Education in Finance

Marketing:

MKTG 3179 (130:179)	Cooperative Education in Marketing
MKTG 3583/5583 (130:170g)	Entrepreneurship
MKTG 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: 6

MGMT 3145 (150:145)	Information Systems Applications
MGMT 3155	Human Resource Management
MGMT 3187 (150:187)	Organization Structure and Design
MGMT 3189 (150:189)	Seminar in International Business
MGMT 3974/5974 (150:174g)	Ethics in Business

Marketing:

MKTG 3583/5583 (130:170g)	Entrepreneurship
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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)	Freshman Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professional 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 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:

Accounting:		
ACCT 3140 (120:136)	Accounting Information Systems	3

Management:		
MGMT 3127 (150:127)	Decision Support Systems	3

MGMT 3128 (150:128)	Business Application Development III	3
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Computer Science:		
CS 3610/5610 (810:161g)	Artificial Intelligence (without lab)	3

Total Hours		60
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* 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)	Freshman Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professional 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:		
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List of Programs by Department

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 2017 (200:017)	Field Experience: Exploring Teaching	1
EDPSYCH 2030 (200:030)	Dynamics of Human Development	3
EDPSYCH 3128 (200:128)	Field Experience: Teacher as Change Agent	1
EDPSYCH 3148 (200:148)	Learning and Instruction in Classroom Contexts	3
SPED 3150 (220:150)	Meeting the Needs of Diverse Learners in Classrooms	2
MEASRES 3150 (250:150)	Classroom Assessment	2
SOCFOUND 3119 (260:119)	Schools and American Society	3
TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application	3
TEACHING 3138 (280:138)	Secondary School Teaching	4-12

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
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	3
MGMT 3100 (150:100)	Legal and Social Environment of Business	3
MGMT 3153 (150:153)	Organizational Management	3
Economics:		
ECON 1031 (920:024)	Introduction to Economics or equivalent	3
ECON 1011 (920:070)	Business Statistics *	3
Total Hours		21

* ECON 1011 (920:070) has prerequisite of *STAT 1772 (800:072)* or equivalent. *STAT 1772 (800:072)* will satisfy Category 1C of the Liberal Arts Core.

NOT available to majors in: Accounting, Business Teaching, Economics-Business Economics emphasis, Finance, Management, Management Information Systems, Marketing, 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.)**
 - Chemistry-Marketing (also listed in Department of Chemistry and Biochemistry)
 - 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. 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 Chemistry-Marketing Major

The Chemistry-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.

This program is an interdisciplinary major offered by the Department of Chemistry and Biochemistry and the College of Business Administration, and is under the jurisdiction of the Department of Chemistry and Biochemistry. The Department of Chemistry and Biochemistry is responsible for advising students enrolled in the major. Required for the major are 24-27 semester hours in chemistry and biochemistry and 24 hours of business for a total of 48-51 hours. See Chemistry and Biochemistry Department for complete details of the major program.

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)	Freshman Seminar for Business Professionals	0
BUSINESS 2000 (100:020)	Business Professional 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

List of Programs by Department

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)	New Venture Development and Management	
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

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 3166 (130:166)	Retail Management	
MKTG 3583/5583 (130:170g)	Entrepreneurship	
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 core

Communication:		
COMM 3155 (48C:173)	Business and Professional Oral Communication	3
Communication or English: 3		
COMM 2555 (48C:025)	Interactive Digital Communication	
or ENGLISH 2770 (620:077)	Introduction to Professional Writing	
Communication or Management: 3		
COMM 3055 (48C:132)	Organizational Communication	
or MGMT 3153 (150:153)	Organizational Management	
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Required: 3 hours from each of three emphases below:		
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	

List of Programs by Department

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) or ECON 1041 (920:053)	Introduction to Economics Principles of Macroeconomics	3

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	
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	
Finance:		
FIN 1040 (160:055)	Personal Financial Planning and Asset 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)	New Venture Development and Management	3

List of Programs by Department

Economics:		
ECON 1031 (920:024)	Introduction to Economics **	3
Total Hours		15

* Students may substitute ACCT 2120 (120:030), ACCT 2130 (120:031), FIN 3130/5130 (160:151g), *STAT 1772 (800:072)*, and ECON 1011 (920:070) for BUSINESS 2010 (100:040).

** ECON 1041 (920:053) and ECON 1051 (920:054) will substitute for *ECON 1031 (920:024)*.

Certificate in Financial and Real Estate Sales for Business Majors

Required

Marketing:		
MKTG 3153 (130:153)	Personal Selling	3
MKTG 3154	Sales Management	3
Finance:		
FIN 3130/5130 (160:151g)	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)	Ethics in Business	
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, and program certificate. Specific requirements for these programs are listed within this Department of Mathematics section in the following order:

• Undergraduate Majors (B.A.)

- Mathematics
- Mathematics-Statistics/Actuarial Science
- Mathematics-Teaching

• Minors

- Mathematics
- Mathematics-Teaching
- Mathematics (K-8)-Teaching
- Statistics and Actuarial Science

• Graduate Majors (M.A.)

- Mathematics:
 - Mathematics
 - Secondary Teaching
 - Community College Teaching
- Mathematics for the Middle Grades (4-8)

• Graduate Majors (P.S.M.)

- Industrial Mathematics

• Program Certificate

- Continuous Quality Improvement Certificate

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.

Required

Mathematics:		
Common core:		15
MATH 1420 (800:060)	Calculus I (required) *	
MATH 1421 (800:061)	Calculus II	
MATH 2422 (800:062)	Calculus III	
MATH 2500 (800:076)	Linear Algebra for Applications	
Mathematics core:		12

MATH 4420/5420 (800:140g)	Intermediate Mathematical Analysis I	
MATH 4421/5421 (800:141g)	Intermediate Mathematical Analysis II	
MATH 4500/5500 (800:160g)	Modern Algebra I	
MATH 4501/5501 (800:162g)	Modern Algebra II	
Electives		12-13
Mathematics:		
MATH 4900 (800:194)	Senior Mathematics Seminar **	
or		
MATH 4990 (800:195)	Undergraduate Research in Mathematics **	
Group I:		
MATH 3610/5610 (800:165g)	Modern Geometries	
or MATH 3600/5600 (800:166g)		
MATH 3630/5630 (800:155g)	Differential Geometry	
MATH 4641/5641 (800:167g)	Topology I	
Group II:		
MATH 3410/5410 (800:142g)	Dynamical Systems: Chaos Theory and Fractals	
MATH 3425/5425 (800:149g)	Differential Equations	
MATH 3440/5440 (800:176g)	Numerical Analysis *	
MATH 3530/5530 (800:143g)	Combinatorics	
MATH 3752/5752 (800:152g)	Introduction to Probability	
MATH 4460/5460 (800:156g)	Introduction to Complex Analysis	
Group III:		
MATH 3640/5640 (800:180g)	History of Mathematics: To the Calculus	
MATH 4510/5510 (800:144g)	Elementary Number Theory	
Total Hours		39-40

* These courses have additional prerequisites as follows:
MATH 1420 (800:060) has prerequisite of MATH 1140 (800:046), or MATH 1110 (800:043) and MATH 1130 (800:044), or equivalent.

MATH 3440/5440 (800:176g) has prerequisite of CS 1130 (810:030), CS 1160 (810:036), or CS 1510 (810:051).

** Either MATH 4900 (800:194) and four courses as described below, or MATH 4990 (800:195) and three courses as described below.

One course must be from each of Groups I, II, III. If a fourth course is required, it may be either any other course from Groups I, II, III, or any course that has one of the courses from Groups I, II, and III as a prerequisite.

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 (800:060)	Calculus I *	
MATH 1421 (800:061)	Calculus II	
MATH 2422 (800:062)	Calculus III	
MATH 2500 (800:076)	Linear Algebra for Applications	
Statistics/Actuarial Science core:		9
STAT 1774 (800:064)	Introductory Statistics for Life Sciences	
or STAT 1772 (800:072)		Introduction to Statistical Methods
STAT 3775/5775 (800:174g)	Introduction to Mathematical Statistics	
MATH 3752/5752 (800:152g)	Introduction to Probability	
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 (800:194)	Senior Mathematics Seminar	
or MATH 4990 (800:195)		Undergraduate Research in Mathematics
Select and complete ONE of the following Emphasis Cores:		9
Statistics Emphasis Core:		
Select three from the following:		
STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research	
STAT 3776/5776 (800:175g)	Regression Analysis	
STAT 4773/5773 (800:123g)	Design and Analysis of Experiments	
STAT 4779/5779 (800:196g)	Applied Multivariate Statistical Analysis	
Actuarial Science Emphasis Core:		
Select three from the following:		
MATH 3780/5780 (800:145g)	Mathematics of Finance	

List of Programs by Department

ACT SCI 4735/5735	Actuarial Mathematics (800:153g)	
ACT SCI 4788/5788	Loss Models (800:170g)	
ACT SCI 4785/5785	Introduction to Financial Engineering (800:197g)	
Electives		6
Select two from the following:		
STAT 3771/5771	Applied Statistical Methods for Research (800:121g)	
STAT 3776/5776	Regression Analysis (800:175g)	
STAT 3778/5778	Spatial Data Analysis (800:171g)	
STAT 4772/5772	Statistical Computing (800:122g)	
STAT 4773/5773	Design and Analysis of Experiments (800:123g)	
STAT 4777/5777	Statistical Quality Assurance Methods (800:157g)	
STAT 4779/5779	Applied Multivariate Statistical Analysis (800:196g)	
ACT SCI 3731	Actuarial Examination Preparation ** (800:146)	
ACT SCI 4735/5735	Actuarial Mathematics (800:153g)	
ACT SCI 4739/5739	Topics in Actuarial Science (800:158g)	
ACT SCI 4785/5785	Introduction to Financial Engineering (800:197g)	
ACT SCI 4788/5788	Loss Models (800:170g)	
MATH 3440/5440	Numerical Analysis (800:176g)	
MATH 3780/5780	Mathematics of Finance (800:145g)	
MATH 4754/5754	Introduction to Stochastic Processes (800:154g)	
Total Hours		43-46

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

** 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 (required) *	
MATH 1421 (800:061)	Calculus II	

MATH 2422 (800:062)	Calculus III	
MATH 2500 (800:076)	Linear Algebra for Applications	
Teaching core:		33
MATH 1310 (800:096)	Technology and Programming for Secondary Mathematics Teachers	
MATH 3303 (800:188)	The Teaching of Middle School/Junior High Mathematics	
MATH 3304 (800:190)	The Teaching of Secondary Mathematics	
MATH 3305 (800:183)	Connections: University Mathematics and the Secondary Curriculum	
MATH 3530/5530 (800:143g)	Combinatorics	
MATH 3610/5610 (800:165g)	Modern Geometries	
or MATH 3600/5600 (800:166g)	Euclidean Geometry	
MATH 3640/5640 (800:180g)	History of Mathematics: To the Calculus	
MATH 3751 (800:173)	Probability and Statistics	
MATH 4500/5500 (800:160g)	Modern Algebra I	
Select two of the following:		
MATH 4501/5501 (800:162g)	Modern Algebra II	
MATH 4510/5510 (800:144g)	Elementary Number Theory	
MATH 4615/5615 (800:189g)	Geometric Transformations	
Computer Science:		3-4
Select one of the following:		
CS 1120 (810:056)	Media Computation	
CS 1130 (810:030)	Visual BASIC Programming	
CS 1140	Introduction to Programming Environments for Education	
CS 1160 (810:036)	C/C++ Programming	
CS 1510 (810:051)	Introduction to Computing	
Total Hours		51-52

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

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 (800:060) Calculus I
- MATH 1421 (800:061) Calculus II
- MATH 2500 (800:076) Linear Algebra for Applications

List of Programs by Department

MATH 3303 (800:188)	The Teaching of Middle School/Junior High Mathematics
MATH 3304 (800:190)	The Teaching of Secondary Mathematics
MATH 3530/5530 (800:143g)	Combinatorics
MATH 3610/5610 (800:165g)	Modern Geometries
or MATH 3600/5600 (800:166g)	Euclidean Geometry
MATH 4500/5500 (800:160g)	Modern Algebra I
MATH 3751 (800:173)	Probability and Statistics

3. Must complete all of the courses in the major with a major grade point average of 2.50 or higher.

Minors

Mathematics Minor

Required

Mathematics: 11

MATH 1420 (800:060)	Calculus I (required) *
MATH 1421 (800:061)	Calculus II
MATH 2500 (800:076)	Linear Algebra for Applications

Electives 12

Mathematics:

ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science
MATH 2422 (800:062)	Calculus III
MATH 3410/5410 (800:142g)	Dynamical Systems: Chaos Theory and Fractals
MATH 3530/5530 (800:143g)	Combinatorics
MATH 3425/5425 (800:149g)	Differential Equations
MATH 3440/5440 (800:176g)	Numerical Analysis
MATH 3430/5430 (800:150g)	Partial Differential Equations
MATH 3610/5610 (800:165g)	Modern Geometries
or MATH 3600/5600 (800:166g)	Euclidean Geometry
MATH 3630/5630 (800:155g)	Differential Geometry
MATH 3640/5640 (800:180g)	History of Mathematics: To the Calculus
MATH 3751 (800:173)	Probability and Statistics
MATH 3752/5752 (800:152g)	Introduction to Probability
MATH 4421/5421 (800:141g)	Intermediate Mathematical Analysis II

MATH 4510/5510 (800:144g)	Elementary Number Theory
MATH 4460/5460 (800:156g)	Introduction to Complex Analysis
MATH 4420/5420 (800:140g)	Intermediate Mathematical Analysis I
MATH 4500/5500 (800:160g)	Modern Algebra I
MATH 4501/5501 (800:162g)	Modern Algebra II
MATH 4615/5615 (800:189g)	Geometric Transformations
MATH 4641/5641 (800:167g)	Topology I
MATH 4754/5754 (800:154g)	Introduction to Stochastic Processes
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 MATH 1140 (800:046), or MATH 1110 (800:043) and MATH 1130 (800:044), or equivalent.

Mathematics Minor-Teaching

Required

Mathematics:		
MATH 1310 (800:096)	Technology and Programming for Secondary Mathematics Teachers	3
MATH 1420 (800:060)	Calculus I (required) *	4
MATH 1421 (800:061)	Calculus II	4
Select one of the following:		3
STAT 1774 (800:064)	Introductory Statistics for Life Sciences (required)	
STAT 1772 (800:072)	Introduction to Statistical Methods (required)	
MATH 3751 (800:173)	Probability and Statistics	
MATH 2500 (800:076)	Linear Algebra for Applications	3
MATH 3530/5530 (800:143g)	Combinatorics	3
MATH 4500/5500 (800:160g)	Modern Algebra I	3
MATH 3610/5610 (800:165g)	Modern Geometries	3
or MATH 3600/5600 (800:166g)	Euclidean Geometry	
MATH 3303 (800:188)	The Teaching of Middle School/Junior High Mathematics	3
MATH 3304 (800:190)	The Teaching of Secondary Mathematics	3
Computer Science:		

List of Programs by Department

Select one of the following:	3-4
CS 1120 (810:056) Media Computation	
CS 1130 (810:030) Visual BASIC Programming	
CS 1140 Introduction to Programming Environments for Education	
CS 1160 (810:036) C/C++ Programming	
CS 1510 (810:051) Introduction to Computing	
Total Hours	35-36

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

Mathematics Minor (K-8)-Teaching

Required

Mathematics:		
MATH 1201 (800:031) Mathematical Reasoning for Teaching I		3
MATH 1210 (800:037) Technology for Elementary School Mathematics Teachers		3
MATH 3211 (800:111g) Introduction to Algebraic Thinking for Elementary Teachers		4
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		4
MATH 3202 (800:131) Mathematical Reasoning for Teaching II		3
MATH 3215 (800:192) Mathematics for Elementary Students with Special Needs		1
Total Hours		24

Statistics and Actuarial Science Minor

Required

Mathematics:		
MATH 1420 (800:060) Calculus I (required) *		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 MATH 1140 (800:046), or MATH 1110 (800:043) and MATH 1130 (800:044), or equivalent.

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 32 hours** is required for the **non-thesis** option, including a minimum of 2 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 contact the Department of Mathematics for other admission 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:		2 or 6
MATH 6299 (800:299)	Research *	
Thesis option (6 hours)		
Non-thesis option (2 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)	Intermediate Mathematical Analysis II	
MATH 4460/5460 (800:156g)	Introduction to Complex Analysis	
MATH 4501/5501 (800:162g)	Modern Algebra II	
MATH 4641/5641 (800:167g)	Topology I	
MATH 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		32

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:		20
MATH 6201 (800:220)	New Developments in Mathematics Education	
MATH 6203 (800:222)	Contemporary Assessment in Mathematics Education I	
MATH 6208	Contemporary Assessment in Mathematics Education II	
MATH 6212 (800:211)	Algebraic Content and Pedagogy for Teachers	
MATH 6215	Geometric Content and Pedagogy for Teachers	
MATH 6230	Reflective Teaching-Cognitive Demand of Mathematical Tasks	
MATH 6231	Reflective Teaching-Classroom Discourse	
MATH 6232	Reflective Teaching: Meaningful Distributed Instruction	
MATH 6234	Reflective Teaching: Leadership	
MATH 6235	Reflective Teaching: Investigation of Classroom Practice	
MATH 6381 (800:281)	Current Research in Mathematics Education	
Mathematics:		6
MATH 6370 (800:270)	Applied Linear Statistical Methods for Secondary Mathematics Teachers	
MATH 6410	Foundations of Calculus	
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 Statistics for Secondary Mathematics Teachers	
MATH 6530 (800:243)	Topics in Discrete Mathematics	

List of Programs by Department

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:		12
MATH 6201 (800:220)	New Developments in Mathematics Education	
MATH 6208	Contemporary Assessment in Mathematics Education II	
MATH 6230	Reflective Teaching-Cognitive Demand of Mathematical Tasks	
MATH 6231	Reflective Teaching-Classroom Discourse	
MATH 6232	Reflective Teaching: Meaningful Distributed Instruction	
MATH 6234	Reflective Teaching: Leadership	
MATH 6235	Reflective Teaching: Investigation of Classroom Practice	
MATH 6381 (800:281)	Current Research in Mathematics Education	
Mathematics:		18
MATH 4501/5501 (800:162g) or MATH 6500 (800:240)	Modern Algebra II Abstract Algebra I	
MATH 6370 (800:270)	Applied Linear Statistical Methods for Secondary Mathematics Teachers	
MATH 6371 (800:271)	Probability and Statistics for Secondary Mathematics Teachers	
MATH 6410	Foundations of Calculus	
MATH 6530 (800:243)	Topics in Discrete Mathematics	
MATH 6670 (800:267)	Non-Euclidean Geometry	
Postsecondary Education:		
POSTSEC 6260 (170:260)	History and Philosophy of 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 contact

the Department of Mathematics for other admission 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:		
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. 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

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 200/6000-level course work is required.**

No comprehensive examination is required for this **non-thesis** option.

This major requires completion of the business and experiential component, the seminar experience, the Mathematics core, the Actuarial Science core, and 9 hours of electives that do not duplicate course work chosen from the Actuarial Science core requirement.

Required

Business and Experiential Component: 9

Mathematics:

MATH 6795 (800:275)	Industrial Internship/Project
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Science and Science Education:

PSM 6100 (820:209)	Business Management for Science Professionals
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Seminar experience: 1-2

Select one of the following:

MATH 6289 (800:289)	Seminar in Lean and Six Sigma Methods in Industry
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PSM 6289 (820:289)	Professional Science Master's Seminar
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Mathematics core:

MATH 6745 (800:250)	Deterministic Operations Research	3
MATH 6747 (800:252)	Discrete-Event System Simulation	3

Actuarial Science Core: 9

Select three courses from the following:

MATH 3780/5780 (800:145g)	Mathematics of Finance
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ACT SCI 4735/5735 (800:153g)	Actuarial Mathematics
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ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science
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ACT SCI 4788/5788 (800:170g)	Loss Models
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ACT SCI 4785/5785 (800:197g)	Introduction to Financial Engineering
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Electives 9

Marketing:

MKTG 4170/5170 (130:191g)	Marketing Strategy
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or MKTG 6170 (130:263)	Marketing Management
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Management:

MGMT 6250 (150:250)	Strategic Planning and Organization Analysis
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MGMT 6262 (150:272)	Cross-Functional Operations
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Finance:

FIN 3130/5130 (160:151g)	Corporation Finance
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FIN 3160/5160 (160:152g)	Principles of Investments
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FIN 6266 (160:266)	Financial Management and Markets
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Technology:

TECH 3024/5024 (330:122g)	Advanced CAD and Modeling
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Mathematics:

STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research
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STAT 4772/5772 (800:122g)	Statistical Computing
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STAT 4773/5773 (800:123g)	Design and Analysis of Experiments
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MATH 4742/5742 (800:125g)	Geometric Modeling for CAD
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MATH 3530/5530 (800:143g)	Combinatorics
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MATH 3780/5780 (800:145g)	Mathematics of Finance
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MATH 3425/5425 (800:149g)	Differential Equations
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MATH 3430/5430 (800:150g)	Partial Differential Equations
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MATH 3752/5752 (800:152g)	Introduction to Probability
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ACT SCI 4735/5735 (800:153g)	Actuarial Mathematics
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MATH 4754/5754 (800:154g)	Introduction to Stochastic Processes
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MATH 3630/5630 (800:155g)	Differential Geometry
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MATH 4460/5460 (800:156g)	Introduction to Complex Analysis
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STAT 4777/5777 (800:157g)	Statistical Quality Assurance Methods
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ACT SCI 4739/5739 (800:158g)	Topics in Actuarial Science
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ACT SCI 4788/5788 (800:170g)	Loss Models
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STAT 3778/5778 (800:171g)	Spatial Data Analysis
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List of Programs by Department

STAT 3775/5775 (800:174g)	Introduction to Mathematical Statistics	
STAT 3776/5776 (800:175g)	Regression Analysis	
MATH 3440/5440 (800:176g)	Numerical Analysis	
STAT 4779/5779 (800:196g)	Applied Multivariate Statistical Analysis	
ACT SCI 4785/5785 (800:197g)	Introduction to Financial Engineering	
MATH 6746 (800:251)	Probabilistic Operations Research	
MATH 6748 (800:253)	Modeling Industrial Systems Using Queueing Networks	
STAT 6772 (800:272)	Advanced Statistical Methods	
MATH 6779 (800:273)	Topics in Probability and Statistics	
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

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 Mathematics or the Office of the Registrar, which serves as the centralized registry.

Certificate in Continuous Quality Improvement

The Continuous Quality Improvement certificate provides academic course work that covers all of the Body of Knowledge (BOK) on which the American Society for Control (ASQ) Six Sigma Black Belt certification examination is based, as well as the overwhelming majority of the BOK on which the ASQ Quality Engineer certification examination is based. The course work requirements are a subset of those required in the Continuous Quality Improvement emphasis of the Professional Science Master's Degree in Industrial Mathematics. The certificate is awarded on successful completion of the following courses:

Required		
Mathematics:		
STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research	3
STAT 4773/5773 (800:123g)	Design and Analysis of Experiments	3
STAT 4777/5777 (800:157g)	Statistical Quality Assurance Methods	3
MATH 6745 (800:250)	Deterministic Operations Research	3
STAT 6772 (800:272)	Advanced Statistical Methods	3

MATH 6289 (800:289) Seminar in Lean and Six Sigma Methods in Industry	2
Total Hours	17

Department of Military Science

www.uni.edu/rotc

The Department of Military Science offers the following minor program. Specific requirements for this program are listed within this Department of Military Science section:

- **Minor**
 - Military Science Minor

General-The Department of Military Science administers the Army Reserve Officers' Training Corps (ROTC) program at the University of Northern Iowa. Credits earned in the department count as general elective credits toward baccalaureate degree requirements or a minor in Military Science. All instructors in the department are career U.S. Army Officers. The course of instruction is designed to be a four-year program. Students with prior military experience may be allowed to complete the program in two years. Students who desire to receive a commission as an officer in the U.S. Army will be required to contract with the Department of the Army during the final two years of the course. They will receive *\$9,500 per year stipend for two years* and will incur a service obligation upon graduation.

The Four-Year Program-The ROTC program is divided into two parts: the Basic Course and the Advanced Course each lasting two years. Students may be allowed to waive the Basic Course requirements with department head approval.

Required

Basic Course:		
MIL SCI 1091 (080:091)	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 319-273-6337. For further information see www.uni.edu/rotc.

G.I. Bill. Students participating in the Simultaneous Membership Program are entitled to the New G.I. Bill educational assistance

benefits. Receiving the New G.I. Bill educational assistance benefits does not preclude a student from accepting an ROTC scholarship for the same period. Many students receiving the New G.I. Bill also qualify for the Student Loan Repayment Program.

Veterans. Veterans receive advanced placement credit for the entire Basic Course. Veterans receive an ROTC allowance in addition to their G.I. Bill benefits.

Special Schools. Both Basic and Advanced Course students can volunteer to attend special military schools such as Airborne School, Northern Warfare Training, or Air Assault Training.

Financial Assistance. As a minimum, all Advanced Course ROTC students receive \$450-500 per month for each month of school (for up to 10 months per year) as a tax-free allowance. Students on scholarship, participating in the Simultaneous Membership Program, and veterans, will earn additional compensations as enumerated above. Students attending special training, such as The Military Leadership Practicum, receive a travel allowance and are paid while receiving the training. Uniforms and books for all classes taught by the Military Science Department are furnished, and a tax-free uniform allowance is provided to all students who complete the Advanced Course.

Additional Information. Additional information about the specific courses offered by the Department of Military Science can be found in course descriptions under Military Science. For additional information, write to the University of Northern Iowa, Department of Military Science, Cedar Falls, IA 50614-0142; come in person to West Gym 203, UNI campus; or call the student advisor at 319-273-6337. 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

List of Programs by Department

- 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.

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 vocal/choral 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. 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 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

List of Programs by Department

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:		
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	2
Applied Improvisation: *		
MUS APPL 3550/5550 (540:155g)	Jazz Improvisation	2
Instrumental Jazz Improvisation: **		
MUS TECH 1520/3520	Instrumental Jazz Improvisation	3
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 1520 (560:052)/MUS TECH 3520/5520 (560:152g)], 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 1120 (530:012)	Ensemble	2
Applied Music *		
Techniques (High and Low Strings):		
MUS ED 1100 (570:010)	Instrumental Techniques	2
Instrumental Pedagogy (String):		
MUS ED 3380/5380 (570:138g)	Instrumental Pedagogy (repeat, taking 2 sections)	4
Methods:		
MUS ED 4161 (570:161)	Instrumental Methods I: Strings	1
Music Theory:		
MUS THEO 3100 (580:110)	Analysis of Music	2
Music Literature:		
MUS LIT 3200/5200 (595:120g)	Performance Literature: (Strings-06)	2
Internship:		
MUS ED 3030 (570:103)	Internship in String Pedagogy	2
Total Hours		53

* (including 2 hours of a secondary stringed instrument): MUS APPL xxxx (540:xxx)

** MUS ED 4161 (570:161) has prerequisite of MUS ED 1500 (570:050). Students pursuing Track 3 are not required to have the prerequisite MUS ED 1500 (570:050).

Full Recital (must include at least one selection performed on secondary string instrument).

List of Programs by Department

Admission to this track is by special audition/interview only, in addition to audition required of all music majors.

4. Performing Arts Management (20 hours beyond Core)

Required		
B.A. Core		34
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	3
Marketing:		
MKTG 2110 (130:101)	Principles of Marketing	3
Management/Music Techniques:		
MGMT 3153 (150:153)	Organizational Management	3
MUS TECH 3110/5110 (560:111g)	Performing Arts and Entertainment Law	3
MUS TECH 3120/5120 (560:112g)	Performing Arts Management	3
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:		
COMM EM 2656 (48E:011)	Audio Production: (Topic)	9
COMM EM 3656	Audio Practicum	
COMM EM 3940 (48E:191)	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	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:		3
MUS TECH 3520/5520 (560:152g)	Instrumental Jazz Improvisation	
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

Music Minor

Required		
Music:		
MUSIC 1100 (520:010)	Soundscapes: Music in Culture	3
Music, Organizations and Ensembles (MUS ENS xxxx/530:xxx):		2
Applied Music (MUS APPL xxxx/540:xxx)		4
Music Theory:		
MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
Electives in music: (MUS TECH xxxx/560:xxx, MUS ED xxxx/570:xxx, MUS THEO xxxx/580:xxx, MUS HIST xxxx/590:xxx, MUS LIT xxxx/595:xxx)		7
Total Hours		24

Departmental audition requirements apply to both of these minors.

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

List of Programs by Department

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 xxx (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 1520/3520	Instrumental Jazz Improvisation	
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

MUS ENS xxxx/530:xxx	Music, Organizations and Ensembles (MUS ENS)	7
Applied Music (MUS APPL xxxx/540:xxx) see specializations below:		

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Music Education and Methods:		
MUS ED 1500 (570:050)	Introduction to Music Education	2
MUS ED 3410 (570:141)	Elementary/General Music Methods	3
Music Theory:		
MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
MUS THEO 2130 (580:013)	Theory III	2
MUS THEO 2140 (580:014)	Theory IV	2
MUS THEO 2170 (580:017)	Aural Training III	1
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2270 (580:027)	Sight-Singing III	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
Music History and Musicology:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical	3
MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
Core total applicable to all specializations below		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	
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:		
MUS TECH 1170 (560:017)	Conducting I—Instrumental	8
MUS TECH 1210 (560:021)	Conducting II—Instrumental	
MUS TECH 1520/3520	Instrumental Jazz Improvisation	
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:		

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MUS THEO 3270/5270 (580:127g)	Jazz Arranging I	2
MUS THEO 3280/5280 (580:128g)	Jazz Arranging II	2
Music History and Musicology:		
MUS HIST 3600/5600 (590:160g)	Jazz History and Styles	3
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).
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.
5. Guitar majors may not pursue the Music Education with Jazz specialization degree.

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 (560:017)	2
MUS TECH 1210 Conducting II—Instrumental (560:021)	3
Music Pedagogy:	
Select one of the following:	2
MUS ED 3380/5380 Instrumental Pedagogy (570:138g) (instrumental majors) *	

MUS ED 3480/5480 (570:148g)	Piano Pedagogy: Elementary (keyboard majors)	
Music Theory:		
MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
MUS THEO 2130 (580:013)	Theory III	2
MUS THEO 2140 (580:014)	Theory IV	2
MUS THEO 2170 (580:017)	Aural Training III	1
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2270 (580:027)	Sight-Singing III	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
MUS THEO 3xxx/4xxx (580:1xx)		3
Music History and Musicology/Performance Literature and Repertory:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical	3
MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
MUS LIT 3200/5200 (595:120g)	Performance Literature:	2
MUS HIST 3xxx/4xxx (590:1xx)		3
Electives: MUS APPL xxxx (540:xxx), 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		9
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 Conducting I—Choral (560:018)	2

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MUS TECH 1300 (560:030)	Diction for Singers I	1
MUS TECH 1310 (560:031)	Diction for Singers II	1
MUS TECH 1320 (560:032)	Diction for Singers I Performance Lab	1
MUS TECH 1330 (560:033)	Diction for Singers II Performance Lab	1
MUS TECH 1600 (560:060)	Opera Performance I	1
MUS TECH 3610/5610 (560:161g)	Opera Performance II	2
Music Pedagogy:		
MUS ED 3300/5300 (570:130g)	Vocal Pedagogy	2
Music Theory:		
MUS THEO 1110 (580:011)	Theory I	2
MUS THEO 1120 (580:012)	Theory II	2
MUS THEO 1150 (580:015)	Aural Training I	1
MUS THEO 1160 (580:016)	Aural Training II	1
MUS THEO 1250 (580:025)	Sight-Singing I	1
MUS THEO 1260 (580:026)	Sight-Singing II	1
MUS THEO 2130 (580:013)	Theory III	2
MUS THEO 2140 (580:014)	Theory IV	2
MUS THEO 2170 (580:017)	Aural Training III	1
MUS THEO 2180 (580:018)	Aural Training IV	1
MUS THEO 2270 (580:027)	Sight-Singing III	1
MUS THEO 2280 (580:028)	Sight-Singing IV	1
MUS THEO 3100 (580:110)	Analysis of Music	2
Music History and Musicology/Performance Literature and Repertory:		
MUS HIST 1010 (590:001)	History of Music I: Antiquity Through Renaissance	2
MUS HIST 1020 (590:002)	History of Music II: Baroque and Classical	3
MUS HIST 1030 (590:003)	History of Music III: Romantic, Twentieth, and Twenty-First Centuries	3
MUS LIT 3200/5200 (595:120g)	Performance Literature:	2
MUS HIST 3xxx/4xxx (590:1xx) and/or MUS LIT 3xxx/4xxx (595:1xx)		3
Electives: MUS APPL xxxx (540:xxx), 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, and are strongly recommended to take 595:120 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.

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.

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 contact the School of Music for other admission 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 APPL, MUS ED, MUS ENS, MUS HIS MUS LIT, MUS TECH, MUS THEO (520-595)].**

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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Music Literature:

Select one from the following:		3
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MUS HIST 3100/5100 (590:110g)	Music History—Middle Ages and Renaissance	
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MUS HIST 3110/5110 (590:111g)	Music History—Baroque	
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MUS HIST 3120/5120 (590:112g)	Music History—Classic	
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MUS HIST 3140/5140 (590:114g)	Music History—Romantic	
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MUS HIST 3150/5150 (590:115g)	Music History—20th Century	
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Specialization: Applied Music:		4
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MUS APPL 5xxx (540:1xxg)		
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Research:		3 or 6
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(6 hours of ____6299 (5xx:299) Research for thesis option *		
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(3 hours of ____ 6299 (5xx:299) Research for non-thesis option *		
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Electives: music (all areas except applied music)		8
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Other electives as approved by the department		0 or 3
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Thesis option - 0 hrs		
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Non-thesis option - 3 hrs		
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Total hours		30
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* ____:6299 (299) Research [course prefix MUSIC, MUS APPL, MUS ED, MUS ENS, MUS HIS MUS LIT, MUS TECH, MUS THEO (520-595)].

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

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.

List of Programs by Department

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 APPL, MUS ED, MUS ENS, MUS HIS MUS LIT, MUS TECH, MUS THEO (520-595)].

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.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should contact the School of Music for other admission requirements. Graduate Information and application for graduate admission can be found at www.grad.uni.edu/admission.

Major in Composition

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	Analytical Techniques I	3
(580:210)		
MUS THEO 6110	Analytical Techniques II	3
(580:211)		
Music History and Musicology:		
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	
(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)		
Specialization		
Applied Music:		
MUS APPL 6540	Composition	12
(540:254)		
Music Electives: primarily in the areas of music literature and theory:		11
Recital:		
MUS APPL 6880	Graduate Recital	
(540:288)		
Total Hours		35

Additional Requirements:

1. Performance recital of candidate-generated compositions.
2. Recital abstract.

Major in Conducting

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	3
(580:210)		
MUS THEO 6110	Analytical Techniques II	3
(580:211)		
Music History and Musicology:		
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	
(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)		
Specialization:		
Music Organizations and Ensembles: 530:1xx/5xxx *		4
Applied Music:		
Select one of the following:		12

List of Programs by Department

MUS APPL 6210 (540:221)	Instrumental Conducting	
MUS APPL 6220 (540:222)	Choral Conducting	
Performance Literature and Repertory:		
Select one of the following:		3
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	
Recital:		
MUS APPL 6880 (540:288)	Graduate Recital	
Music Electives: as approved by advisor:		5
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:

- Two consecutive semesters (fall/spring) of residency with fulltime status (minimum of 9 graduate hours per semester).
- Conducting recital.
- Recital abstract.
- Conducting document (research paper).
- Score reading:
 - Choral Conducting Majors* - Ability to read and perform at the keyboard (allowing some time for advance preparation) an SATB open score of medium difficulty (e.g., Palestrina motet).
 - Instrumental Conducting Majors* - Ability to read and interpret a moderately complex instrumental score.
- Students are required to enroll in applied music in their performance area during the semester that they present their required recital.

Major in Jazz Pedagogy

This major is offered on the **thesis/recital** option only, and requires a **minimum of 36 semester hours**. A **minimum of 15 semester hours of 200/6000-level course work** is required.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required

Graduate Music Core:

Music Theory:		
MUS THEO 6100 (580:210)	Analytical Techniques I	3
MUS THEO 6110 (580:211)	Analytical Techniques II	3
Music History and Musicology:		

MUS HIST 6220 (590:222)	Research and Writing in Music	3
Select one from the following:		3
MUS HIST 3100/5100 (590:110g)	Music History—Middle Ages and Renaissance	
MUS HIST 3110/5110 (590:111g)	Music History—Baroque	
MUS HIST 3120/5120 (590:112g)	Music History—Classic	
MUS HIST 3140/5140 (590:114g)	Music History—Romantic	
MUS HIST 3150/5150 (590:115g)	Music History—20th Century	
Specialization:		
Music Techniques:		4
MUS TECH 6520 (560:252)	Advanced Instrumental Jazz Improvisation *	
or MUS TECH 3520/5520 (560:152g)	Instrumental Jazz Improvisation	
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	
Research:		
MUS TECH 6299 (560:299)	Research	2
Recital:		
MUS APPL 6880 (540:288)	Graduate Recital	
Music electives:		
Select 5 hours of electives from the following:		5
Applied Music:		
MUS APPL 3400/5400 (540:140g)	Percussion	
MUS APPL 3530/5530 (540:153g)	Jazz Guitar	
MUS APPL 3560/5560 (540:156g)	Jazz Bass	
MUS APPL 3570/5570 (540:157g)	Jazz Piano	

List of Programs by Department

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)
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

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:		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	

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
Thesis option (6 hrs.)		
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:

Select one or two from the following: 3 or 6

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 TECH 3520/5520 (560:152g)	Instrumental Jazz Improvisation	
MUS ED 3300/5300 (570:130g)	Vocal Pedagogy	
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

Thesis Option (contingent on availability of faculty):

Required

Research:		
MUS ED 6299 (570:299)	Research (in lieu of 3 hours of electives)	3

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

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:		
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	
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

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:		
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	
Specialization: (choose A,B, or C)		20-24
Total Hours		32-36

Specialization:

A. Wind, Percussion, Keyboard or Strings

Music Ensemble: MUS ENS 5xxx (530:1xxg) ***	2-4
Applied Music: MUS APPL 6xxx (540:2xx) (variable)	10
Performance Literature and Repertory: *	2-4
MUS LIT 3200/5200 (595:120g)	Performance Literature:
Music electives: primarily in the areas of music theory and music literature	5-7
Total hours	21-23

B. Voice

Music, Organizations and Ensembles:	2
MUS ENS 3190/5190 (530:119g) & MUS ENS 3100/5100 (530:110g)	Opera and Chorus **
Applied Music:	8
MUS APPL 6490 (540:249)	Voice
Music Techniques:	8

List of Programs by Department

MUS TECH 3450/5450 (560:145g)	Vocal Coaching	
MUS TECH 3610/5610 (560:161g)	Opera Performance II	
MUS TECH 6230 (560:223)	Advanced Vocal Performance	
Performance Literature and Repertory:		4
MUS LIT 3200/5200 (595:120g)	Performance Literature: _____	
Music Education and Methods:		2
MUS ED 3300/5300 (570:130g)	Vocal Pedagogy	
Total Hours		24

C. Multiple Woodwind

Music Ensemble: MUS ENS 5xxx (530:1xxg) **		2
Applied Music:		
MUS APPL 6xxx (540:2xx) (primary instrument)		6
MUS APPL 5xxx (540:1xxg) (secondary instrument)		4
Performance Literature and Repertory:		
MUS LIT 3200/5200 (595:120g)	Performance Literature: _____ (section 09, 10, or 12)	2
Instrumental Pedagogy:		2-6
MUS ED 3380/5380 (570:138g)	Instrumental Pedagogy	
Music electives: ***		4
Total Hours		20-24

* Students in the Keyboard specialization are required to take MUS LIT 3200 sections 03 and 04.

** Students in the Voice specialization must take one semester of either Chamber Singers or Concert Chorale (to be determined upon formal audition for the choral conducting staff), and one semester of Opera Performance Ensemble. Students in the Instrumental specialization will choose Jazz Band I, Symphony Orchestra, Symphonic Band, or Wind Symphony, but only 2 hours of Jazz Band I may be counted toward minimum degree requirements. Students in the String specialization are required to complete 4 hours of ensemble MUS ENS 3170/5170 (530:117g) Symphony Orchestra. Chamber Music and/or accompanying may be elected by keyboard specialization.

*** Primarily in the areas of music theory, music history, music techniques, and performance; only 2 hours of 560:110g may count toward this requirement.

Additional requirements:

1. Two consecutive semesters (fall/spring) of residency with fulltime status (minimum of 9 graduate hours per semester);
2. Performance recital of at least sixty (60) minutes in length;
3. Recital abstract;
4. Two successful applied jury examinations (grades B or higher);
5. Voice specialization must:

- Demonstrate diction proficiency (by diagnostic examination) in English, Italian, German, and French. Otherwise one must successfully complete MUS TECH 1300 (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 languages other than English prior to entering UNI. Otherwise one must fulfill this requirement during the residency at UNI.

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

This major is offered on the **thesis/full recital** and **non-thesis/half solo recital and pedagogy project** options. Both options require a **minimum of 34 semester hours. A minimum of 15 semester hours of 200/6000-level course work is required of all majors enrolled for the thesis/full recital option. A minimum of 12 semester hours of 200/6000-level course work is required of all majors enrolled for the non-thesis/half solo recital and pedagogy project option.**

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

Required

Graduate Music Core:

Music Theory:

MUS THEO 6100 (580:210)	Analytical Techniques I	3
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MUS THEO 6110 (580:211)	Analytical Techniques II	3
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Music History:

MUS HIST 6220 (590:222)	Research and Writing in Music	3
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Select one from the following:		3
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MUS HIST 3100/5100 (590:110g)	Music History—Middle Ages and Renaissance
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MUS HIST 3110/5110 (590:111g)	Music History—Baroque
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MUS HIST 3120/5120 (590:112g)	Music History—Classic	
MUS HIST 3140/5140 (590:114g)	Music History—Romantic	
MUS HIST 3150/5150 (590:115g)	Music History—20th Century	
Piano performance:		
Applied Music:		6
MUS APPL 6460 (540:246)	Piano	
Music Literature:		4
MUS LIT 3200/5200 (595:120g)	Performance Literature: _____ (Piano I)	
MUS LIT 3200/5200 (595:120g)	Performance Literature: _____ (Piano II)	
Piano pedagogy:		
Music Education and Methods:		10
MUS ED 3480/5480 (570:148g)	Piano Pedagogy: Elementary	
MUS ED 3495/5495	Music Learning and Motivation	
MUS ED 6570 (570:257)	Piano Pedagogy: Intermediate	
MUS ED 6580 (570:258)	Piano Pedagogy: Group and Adult	
MUS ED 6600 (570:260)	Piano Pedagogy: Internship	
Recital:		
MUS APPL 6880 (540:288)	Graduate Recital	
Electives		
Select 2 hours from the Recommended List:		2
MUS ENS 3120/5120 (530:112g)	Ensemble	
MUS APPL 6460 (540:246)	Piano	
MUS TECH 3350/5350 (560:135g)	Accompanying	
MUS ED 6500 (570:250)	Projects in Music Education	
MUS ED 6600 (570:260)	Piano Pedagogy: Internship	
MUS ED 6285 (570:285)	Readings	
MUS THEO 3220/5220 (580:122g)	Music and Technology	
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.

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
<hr/>		
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 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.

List of Programs by Department

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 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

Philosophy Major

The Philosophy 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

Philosophy:		
PHIL 1030 (650:045)	Elementary Logic	3
PHIL 3500 (650:142)	Ethics	3
PHIL 4010/5010 (650:150g)	Knowledge and Reality	3
Select at least three of the following:		9-12
PHIL 3210 (650:100)	History of Philosophy: Ancient	
PHIL 3220 (650:101)	History of Philosophy: Medieval	
PHIL 3230 (650:103)	History of Philosophy: Renaissance through Enlightenment	
PHIL 3240 (650:104)	History of Philosophy: Modern	
Electives from the following:		9-12
PHIL 1020 (650:021)	Philosophy: The Art of Thinking	
PHIL 3010/CAP 3151 (CAP:151)	Money, Sex and Power: Theories of Race, Class and Gender	
PHIL 3120 (650:143)	Philosophy of Art	
PHIL 3130 (650:119)	Philosophy of Science	
PHIL 3310/5310 (650:153g)	The Human Person	
PHIL 3320 (650:172)	Society, Politics, and the Person	
RELS/PHIL 4110	Philosophy of Religion	
PHIL 4310/5310 (650:105g)	Marxisms	
RELS/PHIL 4320	Existentialism	
PHIL 4330/5330 (650:160g)	Phenomenology and Foucault	
PHIL 4410/5410 (650:164g)	Nietzsche, Nihilism, and the "Overcoming" of Western Metaphysics	
PHIL 4420/5420 (650:166g)	Philosophy of Language: Wittgenstein	
PHIL 6010 (650:250)	Critical Perspectives on Gender	
Additional electives in philosophy		6
Total hours		36

Major in the Study of Religion

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

Required

World Religions Core:		
RELS 3210 (640:130)	Great Living Religions: Hinduism and Buddhism	3
RELS 3220 (640:132)	Confucianism, Daoism, and Zen	3
RELS 3230 (640:134)	Great Living Religions: Judaism and Islam	3

RELS 3240 (640:136)	Great Living Religions: Christianity *	3
Select 3 hours from each of the following categories:		
Interactions Within and Among Religions:		3
RELS 1030 (640:030)	What is Religion?	
RELS 3010 (640:110)	Angels Across Cultures	
RELS 3020 (640:126)	Meditation and Mystical Experience	
RELS 4160/5160 (640:165g)	Religion and Society *	
RELS 4170/5170 (640:168g)	Religion and Sexuality *	
Religion and Culture:		3
RELS 1510 (640:040)	Religion, Ethics, and Film	
RELS 3103 (640:161)	Religion, Magic, and Witchcraft	
RELS 3310 (640:138)	Malcolm, Martin, and Justice	
RELS 3320 (640:140)	Black Liberation and the Black Church	
RELS 3500 (640:171)	Religion and Ethics	
RELS 4150/5150 (640:162g)	Women and Christianity *	
RELS 4230/5230 (640:117g)	Religion in America	
RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying	
Textual and Analytical Explorations of Religion:		3
RELS 3001 (640:141)	Old Testament and Other Hebrew Scriptures	
RELS 3002 (640:142)	New Testament and Early Christian Writings	
RELS 4110/5110 (640:113g)	Philosophy of Religion *	
RELS 4120/5120 (640:115g)	Religion and Its Critics *	
RELS 4130/5130 (640:158g)	Why We Believe *	
RELS 4140/5140 (640:154g)	Myth and Symbol	
RELS 4320/5320 (640:152g)	Existentialism *	
Senior Seminar:		
RELS 4410	Senior Seminar in Religion	3
Students are also required to take at least two required or elective courses as Writing Enhanced courses as designated(*)		
Electives in the Study of Religion (select from any courses above, plus the following):		12
RELS 1020 (640:024)	Religions of the World	
RELS 3080/5080 (640:189g)	Individual Readings in Religion	
RELS 3550 (640:197)	Ethics Practicum	

RELS 4186/5186 (640:186g)/5186 (640:186g) "Studies in"	
and not more than two courses from:	
RELS/PHIL 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics
RELS 3520/5520 (640:175g)	Environmental Ethics
or PHIL 3530/5530 (650:175g)	Environmental Ethics
RELS/PHIL 3540/ MGMT 3974/5974 (150:174g)	Ethics in Business
Total Hours	36

* Writing Enhanced courses.

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 3500 (650:142)	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 2010 (650:050)	Reasoning About Moral Problems	
Select one of the following: 3		
Philosophy or Study of Religion:		
RELS/PHIL 3510/CAP 3173 (CAP:173)	Bio-Medical Ethics	
RELS 3520/ PHIL 3530/5530 (650:175g)	Environmental Ethics	
RELS/PHIL 3540	Ethics in Business	
Philosophy:		

List of Programs by Department

PHIL 6510 (650:245)	Ethics in Public Policy	
Electives: select one of the following:		3
Management:		
MGMT 3100 (150:100)	Legal and Social Environment of Business	
Finance:		
FIN 3050 (160:162)	Risk Management and Insurance	
Teaching:		
TEACHING 4170/5170 (280:170g)	Human Relations: Awareness and Application	
Psychology:		
PSYCH 2203 (400:160)	Social Psychology	
Social Work:		
SW 4194/5194 (450:194g)	Seminar in Social Work	
Communication:		
COMM 4447/5447 (48C:108g)	Performance and Social Change	
COMM 4236/CAP 3128 (CAP:128)	Ethics in Communication	
Study of Religion:		
RELS 4120/5120 (640:115g)	Religion and Its Critics	
Philosophy:		
PHIL 3320 (650:172)	Society, Politics, and the Person	
PHIL 4310/5310 (650:105g)	Marxisms	
PHIL 4410/5410 (650:164g)	Nietzsche, Nihilism, and the "Overcoming" of Western Metaphysics	
Philosophy or Study of Religion:		
RELS/PHIL 3110/CAP 3194 (CAP:194)	Perspectives on Death and Dying	
RELS/PHIL 3550	Ethics Practicum	
RELS/PHIL 4320	Existentialism	
Humanities:		
HUM 3130 (680:130)	Culture and Philosophy of African American Life	
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		
Study of Religion:		
RELS 1020 (640:024)	Religions of the World	3
RELS 3001 (640:141)	Old Testament and Other Hebrew Scriptures	3
or RELS 3002 (640:142)	New Testament and Early Christian Writings	
Electives in world religions		15
Total Hours		21

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

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.

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.

Required

Mathematics:		
MATH 1420 (800:060)	Calculus I (required)	4
MATH 1421 (800:061)	Calculus II	4
MATH 2422 (800:062)	Calculus III	4
MATH 2500 (800:076)	Linear Algebra for Applications	3
MATH 3425/5425 (800:149g)	Differential Equations	3
Chemistry and Biochemistry:		
Select one of the following:		5-8
CHEM 1110 (860:044) & CHEM 1120 (860:048)	General Chemistry I and General Chemistry II (required)	
CHEM 1130 (860:070)	General Chemistry I-II (required)	
Physics:		
PHYSICS 1701 (880:130)	Physics I for Science and Engineering (required)	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
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 4600/5600 (880:166g)	Classical Mechanics	4
PHYSICS 4700/5700 (880:167g)	Electrodynamics	4
PHYSICS 4800/5800 (880:172g)	Quantum Mechanics	4
PHYSICS 4860/5860 (880:150g)	Computational Physics	3
PHYSICS 4900/5900 (880:136g)	Thermodynamics and Statistical Mechanics	4
Electives		
Physics: 100/3000-level *		3
EARTHSCI 3318 (870:130)	Crystallography (may include this course)	
Total Hours		68-71

* See course descriptions for 4-digit numbers associated with these 100/3000-level courses.

Bachelor of Arts Degree Program**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 (required)	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 1701 (880:130)	Physics I for Science and Engineering (required)	4
PHYSICS 1702 (880:131)	Physics II for Science and Engineering	4
PHYSICS 2300 (880:132)	Physics III: Theory and Simulation	3
PHYSICS 4100/5100 (880:137g)	Modern Physics	4
PHYSICS 4110/5110 (880:138g)	Modern Physics Laboratory	2
Electives		
Physics: all 100/3000-level courses *		7
Non-physics science courses from the College of Humanities, Arts and Sciences **		6
Total Hours		46

* See course descriptions for 4-digit numbers associated with these 100/3000-level courses.

** Excluding all 820:xxx and mathematics below *MATH 1420 (800:060)*.

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**

Technology:		
TECH 3188/5188 (330:188g)	Nanotechnology Fabrication	3
Mathematics:		
MATH 1420 (800:060)	Calculus I (required)	4
MATH 1421 (800:061)	Calculus II	4
Chemistry and Biochemistry:		
Select one of the following:		5-8
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

List of Programs by Department

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		30-33

Physics Minor

Required

Physics:		
Select one of the following:		8
PHYSICS 1511 (880:054) & PHYSICS 1512 (880:056)	General Physics I and General Physics II (required)	
PHYSICS 1701 (880:130) & PHYSICS 1702 (880:131)	Physics I for Science and Engineering and Physics II for Science and Engineering (required)	

Electives:		12
Physics:		
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

• Program Certificates

- Certificate in International Peace and Security
- Certificate in 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 4216/5216 (48C:160g)	Political Communication	3
or POL AMER 4160/5160	Political Communication	
COMM 4211/5211 (48C:123g)	Rhetoric and Civic Culture	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)	Introduction to Research Methods *	
COMM 4023/5023 (48C:189g)	Rhetorical Communication Research Methods *	
POL GEN 2010 (940:010)	Analyzing Politics	

Internship in Communication Studies/Political Science:

COMM 3900/5900 (48C:197g)	Internship in Communication	3
POL GEN 3181 (940:181)	Internship in Politics *	

Electives (choose two courses from Communication Studies and two courses from Political Science from the following list): 12

Communication Studies:		
COMM 2257 (48C:074)	Argumentation and Debate *	

List of Programs by Department

COMM 2533 (48C:024)	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)	Technology and Human Communication
COMM EM 4616/5616 (48E:141g)	Electronic Media: Processes and Effects *
COMM J 4743/5743 (48J:132g)	Mass Communication Law and Ethics *
COMM J 4754/5754 (48J:151g)	Global Mass Communication Systems *
COMM PR 1811 (48P:005)	Principles of Public Relations *

Political Science:

POL AMER 2131 (942:131)	American State Politics
POL AMER 3132 (942:132)	Community Politics
POL AMER 3134 (942:134)	Legislative Politics *
POL AMER 3144 (942:144)	Civil Rights and Liberties
POL AMER 3151 (942:151)	Modern Presidency *
POL AMER 3166 (942:166)	Political Parties and Interest Groups *
POL AMER 4143/5143 (942:143g)	Citizen Participation and Civic Engagement
POL AMER 4177/5177 (942:177g)	Political Psychology
POL INTL 3126 (943:126)	Human Rights
POL INTL 3143 (943:143)	International Law

Total Hours 39

* Choice of courses and subsequent prerequisites may increase the length of this program. These courses have additional prerequisites as follows:
 POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core.
 COMM COR 2020 (48C:080), COMM 2257 (48C:074), and COMM 3055 (48C:132) have prerequisite of *COMM 1000* (48C:001). *COMM 1000* (48C:001) satisfies Category 1B of the Liberal Arts Core.
 POL GEN 3181 (940:181) has prerequisites of POL GEN 2010 (940:010); 15 hours of political science; Political 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 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 prerequisites 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

List of Programs by Department

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	
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POL AMER 4176/5176 (942:176g)	Topics in Public Policy	
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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 3310 (970:164)	Geographic Information Systems I	
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 *	
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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)	Minority Group Relations *	
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Communication Studies

COMM 3055 (48C:132)	Organizational Communication *	
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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

* 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 gGEOG 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
Economics: ^		
ECON 3245/5245 (920:136g)	International Economics ^	
Political Science:		
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 3129 (943:129)	International Diplomacy and Negotiation	
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	
POL COMP 3121 (944:121)	Terrorism and Insurgency	
POL COMP 3123 (944:123)	Nationalism	
Select at least one of the following:		3
Political Science:		
POL COMP 3135 (944:135)	Western European Democracies	
POL COMP 3162 (944:162)	Politics of East Asia	
POL COMP 3164 (944:164)	Russian and East European 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 4024/5024 (720:124g)	French Civilization ^	
FREN 4025/5025 (720:125g)	Contemporary France ^	
German:		
GER 4023/5023 (740:123g)	Cultural History of German-Speaking Countries ^	
GER 4050/5050 (740:150g)	Contemporary Germany and Austria ^	
Russian:		
SLAV 4141/5141 (770:141g)	Russian Culture and Civilization I ^	
SLAV 4142/5142 (770:142g)	Russian Culture and Civilization II ^	
Spanish:		
SPAN 3020 (780:120)	Latin American Culture and Civilization ^	
SPAN 3023 (780:123)	Culture and Civilization of Spain ^	
SPAN 3052/5052 (780:152g)	Contemporary Hispanic Culture	
Portuguese:		

List of Programs by Department

PORT 3123/5123 (790:123g)	Multimedia Studies in Culture ^
Economics: ^	
ECON 3249/5249 (920:143g)	Economic Development ^
ECON 3261/5261 (920:175g)	International Financial Economics ^
History:	
HISEUB 4520/5520 (963:160g)	Europe from World War I to the Present
HISEUB 4620/5620 (963:174g)	History of Modern France
HISEUB 4630/5630 (963:172g)	History of Germany Since 1648
HISEUB 4660/5660 (963:169g)	History of Imperial Russia
HISEUB 4670/5670 (963:170g)	History of Soviet Russia
HISEUB 4675/5675 (963:157g)	Great Power Diplomacy from the Congress of Vienna to the Present
HISEUB 4680/5680 (963:154g)	Military History from Napoleon to the Present
HISNW 4720/5720 (964:180g)	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 4130/5130 (970:114g)	Political Geography
GEOG 4140/5140 (970:116g)	Geopolitics: (Variable Topic) ^
GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic)
Sociology/Anthropology:	
SOC/ANTH 3001	Language and Culture ^
CRIM 4262/ 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 teaching or non-teaching 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 4024/5024 (720:124g) and FREN 4025/5025 (720:125g) have prerequisite of FREN 3001/5001 (720:101g).
GER 4023/5023 (740:123g) and GER 4050/5050 (740:150g) have prerequisite of GER 3001/5001 (740:101g).
SLAV 4141/5141 (770:141g) and SLAV 4142/5142 (770:142g) have prerequisite of SLAV 3102/5102 (770:103g).
SPAN 3020 (780:120) and SPAN 3023 (780:123) have prerequisite of SPAN 3001 (780:101) or SPAN 3050/5050 (780:150g).
PORT 3123/5123 (790:123g) has prerequisite of PORT 3101/5101 (790:101g).
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.

Required

Political Science:		
POL AMER 1014 (942:014)	Introduction to American Politics *	3

List of Programs by Department

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 3147 (942:147)	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 teaching or non-teaching 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 4331/5331 (982:131g) and CRIM 2232 (982:132) 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.

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:

Communication:

COMM 4344/5344 (48C:151g)	Intercultural Communication	
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List of Programs by Department

International Relations:	
POL INTL 3127 (943:127)	United States Foreign Policy
POL INTL 3129 (943:129)	International Diplomacy and Negotiation
POL INTL 3143 (943:143)	International Law
POL INTL 3145 (943:145)	International Organizations
Comparative Politics:	
POL COMP 3121 (944:121)	Terrorism and Insurgency
History:	
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
Geography:	
GEOG 4140/5140 (970:116g)	Geopolitics: (Variable Topic)
Sociology:	
SOC 3090 (980:102)	Conflict Resolution
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.

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

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 *	

American Politics:

POL AMER 3132 (942:132)	Community Politics	
POL AMER 3172 (942:172)	Public Budgeting *	
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 *	
Total Hours		15

* These courses have additional prerequisites are as follows:
 POL AMER 1014 (942:014) satisfies Category 5B of the Liberal Arts Core.
 ECON 3253/5253 (920:148g) has prerequisites of ECON 1041 (920:053) and ECON 1051 (920:054), or consent of instructor. ECON 1041 (920:053) and ECON 1051 (920:054) are prerequisites to all 100/2000/3000/4000-level economics courses. Either *ECON 1031* (920:024) or **both** ECON 1041 (920:053) **and** ECON 1051 (920:054) will satisfy Category 5B of the Liberal Arts Core.
 POL AMER 3172 (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.

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, including the teaching programs, 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:		
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. 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-Organization.

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 were not undergraduate psychology majors). Students from UNI applying for the Fifth Year I/O emphasis do not need to submit GRE scores.

List of Programs by Department

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 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 for Undergraduate Students. 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
Electives in Psychology		

(determined in consultation with the Graduate Coordinator)

The following courses are pre-approved as electives in this program:

PSYCH 3004/5004 (400:118g)	History and Systems of Psychology	
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	
PSYCH 3103/5103 (400:152g)	Sensation and Perception	
PSYCH 3104/5104 (400:127g)	Introduction to Neurology	
PSYCH 3204/5204 (400:173g)	Psychology of Aging	
PSYCH 3303/5303 (400:154g)	Health Psychology	
PSYCH 3304/5304 (400:158g)	Organizational Psychology	
PSYCH 3305/5305 (400:157g)	Industrial Psychology	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion	
PSYCH 3503/5503 (400:150g)	Conditioning and Learning	
PSYCH 3504/5504 (400:151g)	Memory and Language	
PSYCH 3505/5505 (400:153g)	Cognitive Psychology	
PSYCH 3606/5606 (400:162g)	Special Topics in Social Psychology	

PSYCH 4604/5604 (400:149g)	Principles of Psychometrics	
PSYCH 4607/5607 (400:164g)	Psychological Anthropology	
PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective	
PSYCH 6003 (400:292)	Graduate Practicum in Teaching Psychology	
PSYCH 6006 (400:293)	Research in Psychology	
PSYCH 6201 (400:218)	Evolution, Brain and Social Behavior	
PSYCH 6202 (400:220)	Social and Cognitive Development	
PSYCH 6203 (400:261)	Personality	
PSYCH 6204 (400:264)	Advanced Social Psychology	
PSYCH 6205 (400:294)	Advances and Developments in Social Psychology	
PSYCH 6285 (400:285)	Readings in Psychology	
PSYCH 6289 (400:289)	Seminar	
3 hours total from:		
PSYCH 4704/5704 (400:192g)	Practicum in Teaching Psychology	
or PSYCH 4705/5705 (400:193g)	Research Experience in Psychology	
Total Hours		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	3
Practicum in I/O Psychology:		
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	

List of Programs by Department

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 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.

Required

Psychology:		
PSYCH 2301 (400:025)	Applied Psychology *	3
PSYCH 3304/5304 (400:158g)	Organizational Psychology *	3
PSYCH 3305/5305 (400:157g)	Industrial Psychology *	3
Electives: select two of the following:		6
Management:		
MGMT 3919/5919 (150:119g)	Leadership and Human Relations	
MGMT 3965/5965 (150:165g)	Organizational Behavior *	
MGMT 3966/5966 (150:166g)	Staffing and Employee Development *	
Ethics in Business:		
MGMT 3974/ RELS 3540/5540 (640:174g)/PHIL 3540	Ethics in Business	
Psychology:		
PSYCH 2203 (400:160)	Social Psychology *	
PSYCH 3404/5404 (400:106g)	Psychology of Human Differences *	
PSYCH 3502/5502 (400:134g)	Motivation and Emotion *	
Communication Studies:		
COMM 4134/5134 (48C:134g)	Organizational Cultures and Communication *	
COMM 4155/5155 (48C:135g)	Organizational Communication Assessment *	
Total Hours		15

- * These courses have additional prerequisites as follows:
 PSYCH 2301 (400:025), PSYCH 3404/5404 (400:106g), PSYCH 3502/5502 (400:134g), PSYCH 3305/5305 (400:157g), PSYCH 2203 (400:160), and PSYCH 3304/5304 (400:158g) have a prerequisite of *PSYCH 1001 (400:001)*, which may be used to satisfy Category 5B of the Liberal Arts Core.
 MGMT 3965/5965 (150:165g) has prerequisite of MGMT 3153 (150:153).
 MGMT 3966/5966 (150:166g) has a prerequisite of MGMT 3153 (150:153) and MGMT 3155.
 COMM 4134/5134 (48C:134g) has a prerequisite of MGMT 3153 (150:153) or COMM 3055 (48C:132); and COMM COR 2020 (48C:080).
 COMM 4155/5155 (48C:135g) has a prerequisite of COMM COR 2020 (48C:080); COMM 3055 (48C:132).

Choice of courses and subsequent course prerequisites may increase the length of this program.

Science Education

www.science-ed.uni.edu

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.

List of Programs by Department

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
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 1040 (860:063) or CHEM 2210 (860:120)	Applied Organic and Biochemistry 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 General Science and Physical Science endorsements.

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 Elementary, Early Childhood, and Middle Level Education:	3
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. 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
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

List of Programs by Department

Non-Thesis Option

Research:		
SCI ED 6299 (820:299)	Research	3
Science content courses		11
Electives from education or science education		7
Total Hours		21

Earth Science Education Emphasis

The Earth Science Education emphasis differs from the Science Education major in that it provides the option of taking either SCI ED 6299 (820:299) or EARTHSCI 6299 (870:299) and also requires 8 hours of graduate credit in Earth Science and a total of 36 hours in Earth Science in combined graduate and undergraduate programs.

Required

Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	3
or SCI ED 6500	Research Methods in Science Education	
Science Education:		
SCI ED 6600 (820:294)	Developing Science Curricula	2
SCI ED 6700 (820:200)	The History, Philosophy, and Nature of Science	2
SCI ED 6800 (820:213)	Teaching-Learning Models in Science Education	2
SCI ED 6900 (820:290)	Trends and Issues in Science Education	2
Thesis or non-thesis option		19 or 21
Total hours thesis option		30
Total hours non-thesis option		32

Thesis Option

Research:		
SCI ED 6299 (820:299)	Research	6
or EARTHSCI 6299 (870:299)	Research	
Earth Science content		8
Electives from education or science education		5
Total Hours		19

Non-Thesis Option

Research:		
SCI ED 6299 (820:299)	Research	3
or EARTHSCI 6299 (870:299)	Research	
Science content with at least 8 hours of Earth Science		11
Electives from education or science education		7
Total Hours		21

Physics Education Emphasis

The Physics Education emphasis differs from the Science Education major in that it provides the option of taking either SCI ED 6299 (820:299) or PHYSICS 6299 (880:299) and also requires 8 hours of graduate credit in physics and a total of 36 hours in physics in combined graduate and undergraduate programs.

Required

Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	3
or SCI ED 6500	Research Methods in Science Education	
Science Education:		
SCI ED 6600 (820:294)	Developing Science Curricula	2
SCI ED 6700 (820:200)	The History, Philosophy, and Nature of Science	2
SCI ED 6800 (820:213)	Teaching-Learning Models in Science Education	2
SCI ED 6900 (820:290)	Trends and Issues in Science Education	2
Thesis or non-thesis option		19 or 21
Total hours thesis option		30
Total hours non-thesis option		32

Thesis Option

Research:		
SCI ED 6299 (820:299)	Research	6
or PHYSICS 6299 (880:299)	Research	
Physics content		8
Electives from education or science education		5
Total Hours		19

Non-Thesis Option

Research:		
SCI ED 6299 (820:299)	Research	3
or PHYSICS 6299 (880:299)	Research	
Science content with at least 8 hours of Physics		11
Electives from education or science education		7
Total Hours		21

Inquiries for additional information concerning this major, including assignment of an advisor and advisory committee, should be made to the Chair of the Science Education faculty.

Social Science

www.uni.edu/csbs

There is no social science department as such. The programs and the general courses in social science 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 4190 (900:190)	The Teaching of the Social Studies	3
SOC SCI 4191 (900:191)	Field Experience: Teaching Social Studies	1
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 degree.

American Government

Political Science

POL AMER 1014 (942:014)	Introduction to American Politics	3
Plus 12 (or 15) hours in American Government and 3 hours in Comparative Government or International Relations		12-15

Eligible American Government courses

POL THRY 3129 (941:129)	American Political Thought	
POL AMER 1048 (942:048)	Introduction to Public Administration	
POL AMER 2131 (942:131)	American State Politics	
POL AMER 3112 (942:112)	Campaigns and Elections	
POL AMER 3132 (942:132)	Community Politics	
POL AMER 3134 (942:134)	Legislative Politics	

POL AMER 3141 (942:141)	Constitutional Law	
POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law	
POL AMER 3146 (942:146)	Law and Politics	
POL AMER 3147 (942:147)	Law and the Courts	
POL AMER 3150 (942:150)	Public Opinion and Voting Behavior	
POL AMER 3151 (942:151)	Modern Presidency	
POL AMER 4153/5153 (942:153g)	Public Organizations	
POL AMER 3166 (942:166)	Political Parties and Interest Groups	
POL AMER 3172 (942:172)	Public Budgeting	
POL AMER 3174 (942:174)	Public Personnel Administration	
POL AMER 4173/5173 (942:173g)	The Public Policy Process	
POL INTL 3127 (943:127)	United States Foreign Policy	

Eligible electives in Comparative Government or International Relations

POL INTL 1024 (943:024)	International Relations	
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 3135 (944:135)	Western European Democracies	
POL COMP 3164 (944:164)	Russian and East European Politics	
POL COMP 3165 (944:165)	African Politics	
POL COMP 3167 (944:167)	Latin American Politics	

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	

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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 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 1210 (970:026)	Physical Geography	3-4
GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic)	3
Plus 9 (or 12) hours in geography from the following courses:		9-12
GEOG 1120 (970:010)	Human Geography	
GEOG 1310 (970:061)	Maps and Map Interpretation	
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 3310 (970:164)	Geographic Information Systems I	
GEOG 4110/5110 (970:111g)	Cultural Geography	
GEOG 4120/5120 (970:119g)	Demography and Population Geography	
GEOG 4130/5130 (970:114g)	Political Geography	
GEOG 4140/5140 (970:116g)	Geopolitics: (Variable Topic)	
GEOG 4150/5150 (970:141g)	Regional Geography: (Variable Topic) (for different region than above)	
GEOG 4160/5160 (970:151g)	Historical Geography: (Variable Topic)	
GEOG 4190/5190 (970:117g)	Transportation Planning and Policy	
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 3004/5004 (400:118g)	History and Systems of Psychology	3
Plus 12 (or 15) hours in psychology		12-15

Sociology

SOC 1000 (980:001)	Introduction to Sociology	3
Plus 15 (or 18) hours of sociology from the following courses:		15-18
SOC 1060 (980:060)	Social Problems	
SOC 2010 (980:108)	Research Methods	
SOC 2020 (980:080)	Statistics for Social Research	

List of Programs by Department

SOC 2030 (980:105g)	Sociology of Families
SOC 2040 (980:156g)	Social Movements
SOC 3001 (980:177)	Language and Culture
SOC 3035/5035 (980:125g)	Social Gerontology
SOC 3045/5045 (980:135g)	Social Inequality
SOC 3060/5060 (980:138g)	Sociology of Culture
SOC 3070/5070 (980:170g)	The Development of Social Theories
SOC 3085/5085 (980:172g)	Sociology of Religion
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 4071/5071 (980:171g)	Feminist Theories in the Social Sciences

Criminology

CRIM 2127 (982:127)	Juvenile Delinquency
CRIM 4262/5262 (982:162g)	Crime, Law, and Justice: A Global Perspective
CRIM 4323/5323 (982:123g)	Social Deviance and Control
CRIM 4369/5369 (982:169g)	Drugs, Crime, and Society

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
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:

HIST 3010 (960:189)	Readings in History	12-15
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	

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 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 science: 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 4190 (900:190)	The Teaching of the Social Studies	3
SOC SCI 4191 (900:191)	Field Experience: Teaching Social Studies	1
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 degree.

American Government

Political Science

POL AMER 1014 (942:014)	Introduction to American Politics	3
Plus 6 (or 12) hours in American Government.		6-12

Eligible American Government courses:

POL THRY 3129 (941:129)	American Political Thought
POL AMER 1048 (942:048)	Introduction to Public Administration
POL AMER 2131 (942:131)	American State Politics
POL AMER 3112 (942:112)	Campaigns and Elections
POL AMER 3132 (942:132)	Community Politics
POL AMER 3134 (942:134)	Legislative Politics
POL AMER 3141 (942:141)	Constitutional Law
POL AMER 3146 (942:146)	Law and Politics
POL AMER 3147 (942:147)	Law and the Courts
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 3172 (942:172)	Public Budgeting
POL AMER 4142/5142 (942:142g)	Problems in Juvenile and Family Law
POL AMER 4153/5153 (942:153g)	Public Organizations
POL AMER 4173/5173 (942:173g)	The Public Policy Process
POL AMER 3174 (942:174)	Public Personnel Administration
POL AMER 4188/5188 (942:188g)	Seminar in Public Administration

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

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 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
	*	
ECON 1051 (920:054)	Principles of Microeconomics	3
	*	
Plus 0 (or 9) hours in economics: **		0-9

* **Both** ECON 1041 (920:053) **and** ECON 1051 (920:054) will substitute for *ECON 1031 (920:024)* which will satisfy Category 5B of the Liberal Arts Core.

** Except ECON 1021 (920:020), ECON 1031 (920:024), ECON 1011 (920:070).

Geography

GEOG 1120 (970:010) or GEOG 1110 (970:040)	Human Geography World Geography	3
GEOG 1310 (970:061) or GEOG 4150/5150 (970:141g) or GEOG 4520/5520 (970:171g)	Maps and Map Interpretation Regional Geography: (Variable Topic) Issues in the Teaching of Geography	3
Plus 0 (or 9) hours within the Geography Department.		0-9

Psychology

PSYCH 1001 (400:001)	Introduction to Psychology	3
PSYCH 3004/5004 (400:118g)	History and Systems of Psychology	3
Plus 0 (or 9) hours in psychology.		0-9

Sociology

Sociology/Criminology

SOC 1000 (980:001)	Introduction to Sociology	3
Select one of the following:		3
SOC 2030 (980:105g)	Sociology of Families	
SOC 2040 (980:156g)	Social Movements	
SOC 2075 (980:100g)	Social Psychology	
SOC 3045/5045 (980:135g)	Social Inequality	
Plus 0 (or 9) hours of sociology/criminology from the following courses:		0-9
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 3001 (980:177)	Language and Culture	
SOC 3035/5035 (980:125g)	Social Gerontology	
SOC 3045/5045 (980:135g)	Social Inequality	
SOC 3060/5060 (980:138g)	Sociology of Culture	
SOC 3070/5070 (980:170g)	The Development of Social Theories	
SOC 3085/5085 (980:172g)	Sociology of Religion	
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 4071/5071 (980:171g)	Feminist Theories in the Social Sciences	
CRIM 2127 (982:127)	Juvenile Delinquency	
CRIM 4262/5262 (982:162g)	Crime, Law, and Justice: A Global Perspective	
CRIM 4323/5323 (982:123g)	Social Deviance and Control	
CRIM 4369/5369 (982:169g)	Drugs, Crime, and Society	

World History

One course from Category A and one course from Category B

Category A:

HISEUA 4310/5310 (962:101g)	History of Ancient Greece
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List of Programs by Department

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
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 3 (or 9) hours in European, Asian, Latin American and/or African history from the following courses: 3-9

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 4710/5710 (964:176g)	Colonial Latin American History
HISNW 4720/5720 (964:180g)	Latin American History
HISNW 4740/5740 (964:175g)	Modern African 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

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. Graduate information and application for graduate admission can be found at www.grad.uni.edu/admission. Additional information can be obtained from the Graduate Coordinator of Social Science, College of Social and Behavioral Sciences.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.

This major is available on the **non-thesis** option only and requires a **minimum of 30 semester hours** which includes a 3-hour teaching seminar and a 3-hour research paper and project conducted in the final semester. **A minimum of 12 semester hours of 200/6000-level course work is required.** Students will also take graduate level classes from the following content areas: American Government, American History, Economics, Geography, Psychology, Sociology, and World History. Students should not exceed 6 hours from any one content area.

Required		
Social Science Seminar:		
SOC SCI 6289 (900:289) Seminar		3
Research:		
SOC SCI 6299 (900:299) Research		3
Electives (may not exceed 6 hours from any one content area)		24
Total Hours		30

Department of Social Work

(College of Social and Behavioral Sciences)

www.uni.edu/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
- **Graduate Major (M.S.W.)**
 - Social Work
- **Program Certificates**
 - Social Work Certificate
 - Substance Abuse Counseling Certificate

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)	Minority Group Relations	
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)	Statistics for Social Work ^	3
or SOC 2020 (980:080)	Statistics for Social Research	
Total Hours		53

List of Programs by Department

- * 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 once with a different topic.
- ^ 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.

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. The Advanced Standing Program has a very limited Extended Enrollment Option.

All M.S.W. students will complete a concentration in either **Advanced Micro Practice** or **Social Administration Practice**. The Micro Practice concentration is designed to prepare students for advanced social work practice with individuals, families, and groups. 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 of programs. The concentration course credit can only be completed at the University of Northern Iowa.

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 **Two Year program** requires a **minimum of 60 semester hours**, which consists of a generalist foundation core of 29 semester hours and completion of one of the two concentrations. The program is

offered in cohort groups and consists of two full consecutive academic years with field practicum concurrent with fall and spring academic course work or with second year field practicum during the summer following completion of all other course work. Students are strongly encouraged to finish within this time frame. **A minimum of 39 hours of 200/6000-level course work is required for this program.**

The **Advanced Standing program** requires a **minimum of 38 semester hours**. The program consists of a summer core of 7 hours, preceding one full academic year of concentration courses with field practicum concurrent with fall and spring academic course work or with field practicum during the summer following completion of all other course work. Students are strongly encouraged to finish within this time frame. **A minimum of 32 hours of 200/6000-level course work is required for this program.** The Extended Enrollment Option is available on a competitive, limited basis for applicants meeting the following:

1. Qualify for advanced standing;
2. Work or have worked in social services;
3. Can attend classes at times offered (three-hour blocks) and field practicum over two semesters (16-20 clock hours per week);
4. Can complete all requirements within a preferred three years but no more than four years.

Students interested in this program must submit a completed Application for Admission to Graduate Study. 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. A personal statement.
4. 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 6210 (450:210)	Foundation Practicum I	3
SW 6211 (450:211)	Foundation Practicum II	5
SW 6212 (450:212)	Human Behavior and the Social Environment Micro	3
SW 6213 (450:213)	Human Behavior and the Social Environment Macro	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
Concentration: (select one of the following)		31
Total Hours		60

Required for Advanced Standing Program:

Social Work: (summer courses)

SW 6218 (450:218)	Introduction to Social Work Research	3
SW 6239 (450:239)	Advanced Standing Graduate Seminar	4
Concentration: (select one of the following) (electives must include 3 hrs. of 6000-level course work)		31
Total Hours		38

Micro Practice Concentration:

Social Work:

SW 6240 (450:240)	Advanced Micro Practice Practicum I	5
SW 6241 (450:241)	Advanced Micro Practice Practicum II	5
SW 6242 (450:242)	Approaches to Advanced Micro Practice	3
SW 6243 (450:243)	Advanced Social Work Practice with Groups	3
SW 6244 (450:244)	Advanced Social Work Practice with Families	3
SW 6255 (450:255)	Social Welfare Policy Analysis	3
Electives to be selected in consultation with program advisor (must include 3 hours of 6000-level course work for students in Advanced Standing Program)		9
Total Hours		31

Social Administration Concentration:

Social Work

SW 6255 (450:255)	Social Welfare Policy Analysis	3
SW 6260 (450:260)	Advanced Social Administration Practicum I	5
SW 6261 (450:261)	Advanced Social Administration Practicum II	5
SW 6262 (450:262)	Administrative Social Work Practice	3
SW 6263 (450:263)	Grant Writing, Fund Raising, and Contracting	3
SW 6264 (450:264)	Organizational Development and Networking	3
Electives to be selected in consultation with program advisor (must include 3 hours of 6000-level course work for students in Advanced Standing Program)		9
Total Hours		31

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.

Social Work Certificate

Students who graduate with a major in Social Work from UNI receive a Bachelor of Arts degree with a Social Work Certificate. For information on this major see Social Work major within this Department of Social Work section.

Substance Abuse Counseling Certificate

This UNI certificate program is designed to prepare Social Work majors for the field of substance abuse treatment. To receive a UNI certificate, a student must complete the requirements for the Social Work major (including graduation with the B.A.) and the specific course work and field instruction experiences as indicated.

Required

Social Work:		
SW 4171/5171 (450:171g)	Addictions Treatment	3
Electives: select three of the following		
Psychology:		
PSYCH 3102/5102 (400:170g)	Drugs and Individual Behavior	9
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

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.)

List of Programs by Department

- Anthropology
- Criminology
- Sociology
- **Minors**
 - Anthropology
 - Criminology
 - Sociology
- **Program Certificates**
 - Certificate in Crime Mapping and Analysis
 - 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

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)	Statistics for Social Research	3
or STAT 1772 (800:072)	Introduction to Statistical Methods	
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)	Physical Anthropology: History and Theory	3
or ANTH 3202/5202 (990:152g)	Human Biological Variation	
ANTH 3301 (990:141)	Mesoamerica and the Near East	3
or ANTH 3302 (990:142)	Archaeology of the New World	
or ANTH 3303 (990:143)	Archaeology of the Old World	
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 2314 (982:113)	Ethics in Crime, Law and Justice	
CRIM 3225	Criminal Court System	
CRIM 3226/5226 (982:126g)	Crime and Punishment	
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 3144 (942:144)	Civil Rights and Liberties
POL AMER 3147 (942:147)	Law and the Courts
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).

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.

Required

Sociology:		
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 *	
Core electives - take ONE course in THREE of the four core areas below		
1 - Inequality:		
SOC 2040 (980:156g)	Social Movements	
SOC 3045/5045 (980:135g)	Social Inequality	
SOC 3050/5050 (980:129g)	Men and Masculinities	
SOC 3080/5080 (980:120g)	Immigration and Transnationalism	
or ANTH 3080/5080 (990:120g)	Immigration and Transnationalism	
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences	
CRIM 3151 (982:151)	Crime and Social Inequality	
2 - Race/Ethnicity and Immigration:		
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	
3 - Gender and Culture:		
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	

List of Programs by Department

SOC 3411/ ANTH 3104/5104 (990:167g)/ PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective
SOC 4050 (980:101)	Sociology of Gender
CRIM 4331/5331 (982:131g)	Women, Crime and Society
4 - Family and the Life Course:	
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
ANTH/RELS 3103	Religion, Magic, and Witchcraft
General Electives as follows:	12
Sociology: Select 6-12 hours from the following:	
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 3080/5080 (980:120g)	Immigration and Transnationalism
or ANTH 3080/5080 (990:120g)	Immigration and Transnationalism
SOC 3085/5085 (980:172g)	Sociology of Religion
SOC 3090/SW 3102 (450:102)/ANTH 3470 (990:102)	Conflict Resolution
SOC 3100/5100 (980:184g)	Theory and Practice in Applied Settings
SOC 3102/5102 (980:168g)	Culture, Disease, and Healing
or ANTH 3102/5102 (990:168g)	Culture, Disease, and Healing
SOC 3120/5120 (980:145g)	Research Experience in Sociology
SOC 3130/5130 (980:189g)	Readings in Sociology

SOC 3170/5170 (980:180g)	Seminar in Sociology
SOC 3411/ PSYCH 4608/5608 (400:167g)/ ANTH 3104/5104 (990:167g)	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
SOC 4198 (980:198)	Independent Study
	Criminology (0-1 course with a CRIM xxxx/982 prefix)
	Anthropology (0-1 course with a ANTH xxxx/990 prefix)
Total Hours	33

* 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.

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 major, except with the approval of your advisor and department head.

A course cannot be used to satisfy more than one core elective category.

A course cannot be used to fulfill both a core elective category and a general elective in this major.

Minors

Anthropology Minor

Required

Anthropology:		
ANTH 1001 (990:010)	Human Origins	3
ANTH 1002 (990:011)	Culture, Nature, and Society	3
ANTH 4001/5001 (990:176g)	Anthropological Theory	3

Electives in anthropology	9
Total Hours	18

Criminology Minor

Required

Sociology:		
SOC 1000 (980:001)	Introduction to Sociology	3
Criminology:		
CRIM 2022 (982:022)	Criminal Justice System	3
CRIM 2025 (982:025)	Criminology	3

Electives: select 3 of the following:	9	
Criminology:		
CRIM 2112 (982:112)	White Collar Crime	

CRIM 2127 (982:127)	Juvenile Delinquency
CRIM 2134	Crime Analysis
CRIM 2152 (982:152)	Crime and Community
CRIM 2217 (982:117)	Community Corrections
CRIM 2232 (982:132)	Juvenile Justice
CRIM 2314 (982:113)	Ethics in Crime, Law and Justice
CRIM 3110/5110 (982:110g)	State Crime
CRIM 3151 (982:151)	Crime and Social Inequality
CRIM 3225	Criminal Court System
CRIM 3226/5226 (982:126g)	Crime and Punishment
CRIM 3319/5319 (982:119g)	Victimology
CRIM 4122/5122 (982:122g)	Youth Gangs
CRIM 4137/5137 (982:137g)	Homicide
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 4262/5262 (982:162g)	Crime, Law, and Justice: A Global Perspective
or ANTH 3441/5441 (990:162g)	Crime, Law, and Justice: A Global Perspective
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
Total Hours	18

Sociology Minor

Required	
Sociology:	
SOC 1000 (980:001)	Introduction to Sociology 3
SOC 2010 (980:108)	Research Methods 3
Electives in sociology (980 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 certificate provides students with both theoretical and applied training in spatial mapping and the analysis of crime data.

Required

Criminology:	
CRIM 2025 (982:025)	Criminology 3
CRIM 2152 (982:152)	Crime and Community 3
Geography:	
GEOG 3310 (970:164)	Geographic Information Systems I 3
GEOG 4310/5310 (970:170g)	GIS Applications: (Variable Topic) 3
Sociology:	
SOC 1000 (980:001)	Introduction to Sociology 3
SOC 2020 (980:080)	Statistics for Social Research 3
or STAT 1772 (800:072)	Introduction to Statistical Methods
Total Hours	18

Certificate in Sociology of Inequality

Required

Sociology:	
SOC 1000 (980:001)	Introduction to Sociology * 3
SOC 2010 (980:108)	Research Methods * 3
Select three of the following: ** 9	
Sociology:	
SOC 2040 (980:156g)	Social Movements
SOC 3045/5045 (980:135g)	Social Inequality
SOC 3050/5050 (980:129g)	Men and Masculinities
SOC 3080/5080 (980:120g)	Immigration and Transnationalism
or ANTH 3080/5080 (990:120g)	Immigration and Transnationalism
SOC 4071/5071 (980:171g)	Feminist Theories in the Social Sciences
Criminology:	
CRIM 3151 (982:151)	Crime and Social Inequality ***
Total Hours	15

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 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
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SOC 2010 (980:108)	Research Methods *	3
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Select three of the following: **		9
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Philosophy and World Religions:

RELS/PHIL 3110	Perspectives on Death and Dying	
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Anthropology:

ANTH/RELS 3103	Religion, Magic, and Witchcraft	
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Sociology:

SOC 2030 (980:105g)	Sociology of Families	
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SOC 3035/5035 (980:125g)	Social Gerontology	
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SOC 3065/5065 (980:118g)	Health, Illness, and Dying	
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SOC 3085/5085 (980:172g)	Sociology of Religion	
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SOC 4050 (980:101)	Sociology of Gender	
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Criminology:

CRIM 2127 (982:127)	Juvenile Delinquency ***	
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Total Hours		15
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* 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 prerequisite of CRIM 2025 (982:025).

Certificate in Sociology of Gender and Culture

Required

Sociology:

SOC 1000 (980:001)	Introduction to Sociology *	3
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SOC 2010 (980:108)	Research Methods *	3
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Select three of the following: *		9
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Sociology:

SOC 2075 (980:100g)	Social Psychology	
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SOC/ANTH 3001	Language and Culture	
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SOC 3050/5050 (980:129g)	Men and Masculinities	
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SOC 3060/5060 (980:138g)	Sociology of Culture	
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SOC/ANTH 3102	Culture, Disease, and Healing	
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SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective	
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or PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective	
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or ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective	
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SOC 4050 (980:101)	Sociology of Gender	
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Criminology:

CRIM 4331/5331 (982:131g)	Women, Crime and Society	
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Total Hours		15
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* 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
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SOC 2010 (980:108)	Research Methods *	3
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Select three of the following: *		9
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Sociology:

SOC 2040 (980:156g)	Social Movements	
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SOC 2075 (980:100g)	Social Psychology	
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SOC 3037/5037 (980:045g)	Race, Ethnicity and Social Justice	
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SOC 3060/5060 (980:138g)	Sociology of Culture	
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SOC 3065/5065 (980:118g)	Health, Illness, and Dying	
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SOC 3080/5080 (980:120g)	Immigration and Transnationalism	
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or ANTH 3080/5080 (990:120g)	Immigration and Transnationalism	
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SOC 3411/5411 (980:167g)	Gender in Cross-Cultural Perspective	
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or PSYCH 4608/5608 (400:167g)	Gender in Cross-Cultural Perspective	
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or ANTH 3104/5104 (990:167g)	Gender in Cross-Cultural Perspective	
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Total Hours		15
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* 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 I: Mild/Moderate K-8 Emphasis
 - 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
- **Graduate Major (Ed.D.)**
 - Doctor of Education: Special Education intensive study area

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

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 in both the major and the special education minor endorsement area.

Instructional Strategist I: Mild/Moderate K-8 Emphasis

Required		
Special Education core:		
SPED 4170/5170 (220:170g)	Educational Management in Special Education	3
SPED 4174/5174 (220:174g)	Assessment and Instruction for Students with Mild 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:		12
SPED 4142/5142 (220:142g)	Classroom Instructional Management for Students with Disabilities (K-8) *	
SPED 4192/5192 (220:192g)	Experience in Special Education (corequisite)	
SPED 4146/5146 (220:146g)	Methodology and Assessment for Students with Mild/Moderate Disabilities (K-8)	
SPED 4176/5176	Issues and Applications for Students with Mild Moderate Disabilities	
Total Hours		24

Instructional Strategist I: Mild/Moderate 5-12 Emphasis

Required		
Special Education core:		
SPED 4170/5170 (220:170g)	Educational Management in Special Education	3
SPED 4174/5174 (220:174g)	Assessment and Instruction for Students with Mild 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:		15
SPED 4143/5143 (220:143g)	Classroom Instructional Management for Students with Disabilities (5-12) *	
SPED 4192/5192 (220:192g)	Experience in Special Education (corequisite)	
SPED 4147/5147 (220:147g)	Methodology and Assessment for Students with Mild/Moderate Disabilities (5-12)	
SPED 4151/5151 (220:151g)	Vocational and Transition Programming for Individuals with Disabilities	
SPED 4176/5176	Issues and Applications for Students with Mild Moderate Disabilities	
Total Hours		27

List of Programs by Department

* 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 the requirements for an Early Childhood, Elementary or Secondary Education major and complete student teaching in both the major and the special education minor endorsement area.

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)	Teaching Secondary-Level Students with Severe Disabilities	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 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 contact the Department of Special Education for other admission 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 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
or SOCFOUND 6234 (260:234)	Philosophy of Education	

Measurement and Research:

MEASRES 6205 (250:205)	Educational Research	3
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Required special education

Special Education:		
SPED 6289 (220:289)	Seminar	3
Emphasis in special education (choose one from below)		21
Total Hours		30

Field Specialization Emphasis

Required

Special Education:		
SPED 6256 (220:256)	Best Practices in Inclusion	3

or SPED 6260 (220:260)	Special Education Law and Policy	
SPED 6293 (220:293)	Qualitative Research in Special Education	3
SPED 6295 (220:295)	Single-subject Research Applications	3
Approved electives *		12
Total Hours		21

* 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	
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	5-6
Approved electives *		6-7
Total hours		21

* 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 6290 (220:290)	Practicum	3
SPED 6293 (220:293)	Qualitative Research in Special Education	3
SPED 6295 (220:295)	Single-subject Research Applications	3
Approved electives *		9
Total Hours		21

* 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 complete the requirements for 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 contact the Department of Special Education for other admission 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 6234 (260:234)	Philosophy of Education	
Measurement and Research:		
MEASRES 6205 (250:205)	Educational Research	3

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.)		

List of Programs by Department

Non-thesis (3 hrs.)	
Total hours thesis option	44
Total hours non-thesis option	41

Doctor of Education Degree Program

This program is intended to provide practicing educators 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**, including a **minimum of 45 hours of course work at the 200/6000-level or 300/7000-level**. Some intensive study areas may require more hours of 200/6000-level or 300/7000-level course work.

There are three components to the program: 15 semester hours in a *Professional Common Core* of work in educational foundations, fundamentals, and research; 38 semester hours of *Advanced Professional Study* in one of four areas of intensive study and a related area; and a *Dissertation* of 7 semester hours.

By design, then, *all* students are required to study in basic areas that undergird and define educational practice and develop skills of problem definition, data collection and analysis, and interpretation. The four areas of intensive study provide for a specialized focus on practice. The four intensive study areas are: *Allied Health, Recreation, and Community Services; Curriculum and Instruction; Educational Leadership; and Special Education*. (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.) **For brief definitions of the four areas refer to respective departments.**

The **Special Education** area of intensive study is designed to provide students with a variety of leadership positions in public schools, higher education and human services agencies serving infants, children, youth and adults with disabilities. This program will center on preparing leaders who will be able to promote new meanings about diversity, develop inclusive school cultures and instructional programs, and forge productive relationships between schools and their communities. (For more information, contact the Head, Department of Special Education.)

The Graduate Record Examination (General Test) is required for admission to the program.

Students interested in this program must submit a completed Application for Admission to Graduate Study. 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 Education degree refer to appropriate sections of this University Catalog.

I. Professional Common Core (15 hours)

Education Foundations

Interdepartmental, Education:

INTDEPED 7301 (190:301)	Context of Contemporary Education	3
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Research

Interdepartmental, Education:

INTDEPED 7303 (190:303)	Inquiry	3
INTDEPED 7305 (190:305)	Qualitative Methods in Educational Research	3
INTDEPED 7307 (190:307)	Quantitative Methods in Educational Research	3

Measurement and Research: select one of the following: 3

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

II. Advanced Professional Studies 38

This is the component of the program that relates to and supports the student's professional career goal. Specific course requirements for individual students will depend on faculty requirements and student background, interests, and goals. Must include a minimum of 23 hours at the 200/6000-level or 300/7000-level and must include a minimum of 6 hours outside Special Education.

III. Dissertation (7 hours)

This is the program component in which the student demonstrates proficiency in the integration of theory and practice (i.e., it involves the application of existing knowledge and/or results of individual research to an educational problem or situation).

Required

Doctoral Seminar:

INTDEPED 7389 (190:389)	Doctoral Seminar	1
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Dissertation Research:

INTDEPED 7399 (190:399)	Dissertation Research	6
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Total Hours 60

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

Undergraduate Majors (B.A.)

Graphic Technologies
Technology Education - Teaching
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 Certificate
Technology Management Certificate

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

List of Programs by Department

TECH 3125/5125 (330:125g)	Commercial and Heavy/ Highway Construction	
TECH 3126/5126 (330:126g)	Land, Route, and Construction Surveying	
TECH 3128 (330:128)	Electrical Construction Materials and Methods	
TECH 3149 (330:149)	Construction Estimating	
TECH 4100 (330:100)	Undergraduate Research in Construction Management	
TECH 4124/5124 (330:124g)	Mechanical Systems in Construction	
TECH 4153/5153 (330:153g)	Construction Project Planning, Scheduling and Controlling	
TECH 4154/5154 (330:154g)	Computerized Construction Estimating	
TECH 4173/5173 (330:173g)	Construction Management	
TECH 4175/5175 (330:175g)	Structural Analysis in Construction	
TECH 4185/5185 (330:185g)	Methods Improvement and Construction Innovations	
Required:		
Business and Management:		18
Accounting:		
ACCT 2120 (120:030)	Principles of Financial Accounting	
Management:		
MGMT 2080 (150:080)	Introduction to Information Systems	
MGMT 3101 (150:101)	Business Law	
MGMT 3145 (150:145)	Information Systems Applications	
Economics		
ECON 1021 (920:020)	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	
Physics:		
PHYSICS 1511 (880:054)	General Physics I	
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

MATH 1150
(800:048) Calculus for Technology

or MATH 1420
(800:060) Calculus I

STAT 1774
(800:064) Introductory Statistics for Life
Sciences

or STAT 1772
(800:072) Introduction to Statistical Methods

Computer Science:

CS 1160 (810:036) C/C++ Programming

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) Microcomputer 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 3186 (620:186) "Studies in Technical Writing"		
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 and the following specified major requirements, plus electives to complete the minimum of 126 hours.

Required Mathematics and Science Core:		
Mathematics:		4
MATH 1150 (800:048)	Calculus for Technology	
or MATH 1420 (800:060)	Calculus I	
Chemistry and Biochemistry		4
CHEM 1020 (860:020)	Chemical Technology	
or CHEM 1110 (860:044)	General Chemistry I	
Physics:		4
PHYSICS 1511 (880:054)	General Physics I	
or PHYSICS 1701 (880:130)	Physics I for Science and Engineering	
Required Technical Core:		
Technology:		0-3
TECH 1017 (330:017)	Computer-Aided Design and Drafting (or equivalent *)	
Technology:		36
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 2043 (330:043)	Managing Manufacturing Systems	

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 3196 (330:196)	Industrial Safety	
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:		18
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 3180 (330:180)	Lean Manufacturing	
TECH 4162	Automation - Pneumatics and Hydraulics	
3 hours electives (see below)		

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	
TECH 4155/5155 (330:155g)	Finite Element Analysis	
3 hours electives (see below)		

Metal Casting:

TECH 3127 (330:127)	Transport Phenomena for Technologists	
TECH 3132 (330:132)	Applied Metallurgy	
TECH 3134 (330:134)	Molding Practices in Metal Casting	
TECH 4136 (330:136)	Melting Practices in Metal Casting	
TECH 4137 (330:137)	Tooling Practices in Metal Casting	
3 hours electives (see below)		

Select elective hours from the following:

List of Programs by Department

Technology:

TECH 1017 (330:017)	Computer-Aided Design and Drafting
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 3180 (330:180)	Lean Manufacturing
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 3500 (650:142)	Ethics
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Sociology:

SOC 3090 (980:102) Conflict Resolution

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 and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Required:

Business and Management:		
TECH 4193	Graphic Communication Estimating and Management II	3
TECH 4194/5194 (330:194g)	Graphic Communications Estimating and Management I	3
Technology:		41
TECH 1022 (330:022)	Communication Technology	
TECH 1055 (330:055)	Graphic Communications Foundations	
TECH 1065 (330:065)	Technology in Society and Organizations	
TECH 2070 (330:070)	Digital Prepress	
TECH 3115 (330:115)	Fundamentals of Electrical and Electronic Technology	
TECH 3144 (330:144)	Web Publishing	
TECH 3169 (330:169)	Digital Imaging I	
TECH 3196 (330:196)	Industrial Safety	
TECH 4158/5158 (330:158g)	Graphic Communications Technical Visualization	
TECH 4161/5161 (330:161g)	Digital Graphic Communications	
TECH 3179 (330:179) "Cooperative Education"		
TECH 4188/5188	Digital Imaging II	
Chemistry and Biochemistry (select one of the following):		3-4
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	
Mathematics: (one of the following)		3
MATH 1100 (800:023)	Mathematics in Decision Making	
STAT 1772 (800:072)	Introduction to Statistical Methods	
Electives:		
Technology/Art (select two of the following technical electives):		6
TECH 1011	Introduction to Graphic Programs	
TECH 3150/5150 (330:150g)	Graphic Communications Imaging	
TECH 3163/5163 (330:163g)	Advanced Digital Prepress	
ART 2030 (600:025)	Graphic Design I	
ART 3030 (600:125)	Graphic Design II	

ART 3034 (600:127)	Graphic Design: Publication Design	
Total hours		62

- * MGMT 3153 (150:153) Organizational Management must be taken to select this course.
- ** MGMT 3153 (150:153) Organizational Management or TECH 2043 (330:043) Managing Manufacturing Systems must be taken to select this course.

Technology Education Major-Teaching

The Technology 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.

Required:		
Science core:		
Chemistry and Biochemistry:		4
CHEM 1020 (860:020)	Chemical Technology	
Technology core:		
Technology:		0-3
TECH 1017 (330:017)	Computer-Aided Design and Drafting (or equivalent*)	
Technology:		22
TECH 1008 (330:008)	Manufacturing Processes I	
TECH 1010 (330:010)	Manufacturing Processes II	
TECH 1018 (330:018)	Construction Resources	
TECH 1022 (330:022)	Communication Technology	
TECH 1024 (330:024)	Technical Drawing and Design I	
TECH 2036 (330:036)	Power Technology	
TECH 3114 (330:114)	Product Development and Enterprise	
or TECH 3121/5121 (330:121g)	Applied Technology Systems	
Education and Training core:		
Technology:		15
TECH 1019 (330:019)	Introduction to Technology Education and Training	
TECH 3120 (330:120)	Technology Education Curriculum Planning	
TECH 3190/5190 (330:190g)	Technology Education Teaching Methods	
TECH 4178/5178 (330:178g)	Contemporary Instruction in Technology Education	
TECH 4195/5195 (330:195g)	Technology Education Program Management	
Electives in Technology: (choose from construction and energy and power)		9
Total Hours		50-53

* Equivalency requires approval by department.

Note: Students in Technology Education Major-Teaching 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 .

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.

Required:		
Technology:		0-3
TECH 1017 (330:017)	Computer-Aided Design and Drafting (or equivalent*)	
Technology:		37
TECH 1008 (330:008)	Manufacturing Processes I	
TECH 1018 (330:018)	Construction Resources	
TECH 1022 (330:022)	Communication Technology	
TECH 1024 (330:024)	Technical Drawing and Design I	
TECH 1065 (330:065)	Technology in Society and Organizations	
TECH 2036 (330:036)	Power Technology	
TECH 3114 (330:114)	Product Development and Enterprise	
TECH 3119 (330:119)	Computer Applications in Technology	
TECH 3142 (330:142)	Statistical Quality Control	
TECH 3196 (330:196)	Industrial Safety	
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	
Select one of the following:		
MGMT 3153 (150:153)	Organizational Management	
TECH 2043 (330:043)	Managing Manufacturing Systems	
TECH 3131/5131 (330:131g)	Technical Project Management	
Mathematics:		3
STAT 1772 (800:072)	Introduction to Statistical Methods	
Chemistry and Biochemistry:		4
Select one of the following:		
CHEM 1010 (860:010)	Principles of Chemistry	
CHEM 1020 (860:020)	Chemical Technology	
CHEM 1110 (860:044)	General Chemistry I	
Physics:		3-4
Select one of the following:		

List of Programs by Department

PHYSICS 1000 (880:012)	Physics in Everyday Life	
PHYSICS 1400 (880:011)	Conceptual Physics	
PHYSICS 1511 (880:054)	General Physics I	
Electives in Technology:		18
Total Hours		65-69

* Equivalency requires approval by department.

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) or MATH 1420 (800:060)	Calculus for Technology 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) or PHYSICS 1701 (880:130)	General Physics I Physics I for Science and Engineering	
Total Hours		29

Graphic Technologies Minor

Required:

Technology:		17
TECH 1022 (330:022)	Communication Technology	
TECH 1055 (330:055)	Graphic Communications Foundations	
TECH 2070 (330:070)	Digital Prepress	
TECH 3196 (330:196)	Industrial Safety	
TECH 4161/5161 (330:161g)	Digital Graphic Communications	
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 Prepress	
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		23

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:		28
TECH 1008 (330:008)	Manufacturing Processes I	
TECH 1010 (330:010)	Manufacturing Processes II	
TECH 1018 (330:018)	Construction Resources	
TECH 1019 (330:019)	Introduction to Technology Education and Training	
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 Education Teaching Methods	
TECH 4195/5195 (330:195g)	Technology Education Program Management	
Electives in Technology: (choose from construction or energy and power)		3
Total Hours		31-34

* Equivalency requires approval by department.

Technology Management Minor

Required:		
Technology:		15
TECH 3119 (330:119)	Computer Applications in Technology	
TECH 3142 (330:142)	Statistical Quality Control	
TECH 3196 (330:196)	Industrial Safety	
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	
Select one of the following:		

MGMT 3153 (150:153)	Organizational Management	
TECH 2043 (330:043)	Managing Manufacturing Systems	
TECH 3131/5131 (330:131g)	Technical Project Management	
Mathematics:		3
STAT 1772 (800:072)	Introduction to Statistical Methods	
Electives in Technology:		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 contact the Department of Technology for other admission 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 covering emphasis areas of engineering management, graphics technologies, and technology education, promotes greater depth of understanding of the applied engineering technology and technology education fields and 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 fields. Degree admission to the Master of Science in Technology requires an applicant to have:

1. Earned a minimum of 8 semester hours of college mathematics and 8 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)/213 (computer-based, or 79 iBT) for applicants for whom English is not their first language;
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.

The Master of Science Technology degree program requires a **thesis with a minimum of 34 semester hours. A minimum of 15 hours of 200/6000-level course work is required for this degree program.** Students must defend and present their research thesis to their committee members and the public.

Required core:

Technology:		
TECH 6100	Engineering Cost Analysis	3
TECH 6258 (330:258)	Total Quality Management	3
TECH 6282 (330:282)	Technology Seminar	1

List of Programs by Department

TECH 6288 (330:288)	Field Study in Industrial Technology: Masters Internship	3
TECH 6292 (330:292)	Research Methods in Technology	3
Statistics/Mathematics:		
PSYCH 6001 (400:239)	Advanced Statistics	3
or STAT 3771/5771 (800:121g)	Applied Statistical Methods for Research	
M.S. Thesis:		
Technology:		
TECH 6292 (330:292)	Research Methods in Technology	
TECH 6299 (330:299)	Research (Master's Thesis)	
Emphasis (choose from one of following emphases):		9
Electives:		3
Total Hours		34

A. Engineering Management Emphasis

Technology: 9 hours chosen from the following:		9
TECH 4000/5000	Wind Energy Engineering	
TECH 6225 (330:225)	Integrated Logistics and Production Operations	
TECH 6234 (330:234)	Advanced Engineering Materials	
TECH 6235 (330:235)	Material Transformations and Modeling	
TECH 6242 (330:242)	Complex Digital System Design	
TECH 6244 (330:244)	Applied Embedded Systems	
TECH 6250 (330:250)	Technology of Productivity Improvement	
TECH 6273 (330:273)	Machining Process Planning	
TECH 6275 (330:275)	Advanced Lean Manufacturing	
TECH 6295 (330:295)	Advanced Management and Supervision Technology	

B. Graphic Technologies Emphasis

All of the following:		9
Technology:		
TECH 4161/5161 (330:161g)	Digital Graphic Communications	
TECH 4194/5194 (330:194g)	Graphic Communications Estimating and Management I	
TECH 6294 (330:294)	Technological Evolution and Innovation	

C. Technology Education Emphasis

All of the following:		9
Technology:		
TECH 3190/5190 (330:190g)	Technology Education Teaching Methods	
TECH 3191/5191 (330:191g)	Implementing Career and Technical Programs	

TECH 6294 (330:294) Technological Evolution and Innovation

Plus 1 hr. to be approved by department.

Doctor of Technology Degree Program

The University of Northern Iowa offers the Doctor of Technology degree to meet the increasing need for advanced degree work in this field. Applied technology is a relatively new and rapidly expanding knowledge base for a wide variety of professional fields: these include technology, applied engineering, trade and industrial education, technical institute education, industrial training, and technology transfer. This applied research-oriented terminal degree program also includes the study of the technological systems used in industry and their effect on society and culture.

The Doctor of Technology degree is designed to develop scholars in the fields of education and industry. Programs emphasize the development of a thorough knowledge of

- (a) Technology as an intellectual discipline,
- (b) the technological systems used in industry and their effect on people and the environment, and
- (c) the potential and limitations of future developments in technological systems and their utilization in industry.

Program emphasis is on providing the intellectual tools necessary to pursue scholarly research and applied practices in the field of applied engineering and technology. Efforts will be made to develop in each student the interest and desire required for a leadership role in improving educational and technology programs and determining directions for future programs. The terminal 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**.

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

- 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.
- Researchers and project coordinators, technology transfer specialists, technology forecasters and assessors of technology for industrial policy planning and decision making.
- Academic leaders (e.g., deans, department heads, or directors) of technology-oriented programs at postsecondary institutions.
- Researchers and research coordinators for education and industry in specific content fields of technology.
- Designers, coordinators and directors of applied/engineering and/or industrial training or human resource programs, and related industrial applications.

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 contact the Department of Technology for other admission 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 other sections 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 50th percentile in analytical writing, and the 50th percentile in quantitative sections.

Required core:

Technology:		21
TECH 6282 (330:282)	Technology Seminar (3 hrs.)	
TECH 6292 (330:292)	Research Methods in Technology	
TECH 6295 (330:295)	Advanced Management and Supervision Technology	
TECH 7375 (330:375)	Developments in Technology	
TECH 7377 (330:377)	Readings in Technology and Society	
TECH 7378 (330:378)	Technology, Ethics and Leadership	
Mathematics/Statistics:		
PSYCH 6001 (400:239)	Advanced Statistics	
or STAT 6772 (800:272)	Advanced Statistical Methods	

Supporting course work: 21

Supporting course work may be taken from any discipline at the university as long as it relates to the career goals and competencies that are approved by the student's D.T. advisory committee. A minimum of 9 hours of supporting course work, beyond the required core program must be taken outside the Department of Technology.

The following courses are recommended for the D.T. students who are planning to teach in secondary and/or higher educational institutions:

Instructional Technology/Postsecondary Education:

INSTTECH 6210 (240:210)	Distance Education
INSTTECH 6235 (240:235)	Performance Management and Technology
INSTTECH 6237 (240:237)	Coordinating Technology in an Educational Setting
INSTTECH 7340 (240:340)	Designing Instructional Systems
POSTSEC 6231 (170:231)	Assessment in Postsecondary Education
POSTSEC 6250 (170:250)	Teaching in College

D.T. Internship: 6

Technology:	
TECH 7388 (330:388)	Doctoral Internship

D.T. Dissertation: 12

Technology:	
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 foundation requirement 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 certificate, 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

List of Programs by Department

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 Prepress	
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 6231 (330:231)	Thermodynamics of Material Processing	
TECH 6234 (330:234)	Advanced Engineering Materials	
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 Education Program 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)	Applied 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 2020 (330:020)	Communication Systems	
TECH 2043 (330:043)	Managing Manufacturing Systems	
TECH 3142 (330:142)	Statistical Quality Control	
TECH 3196 (330:196)	Industrial Safety	
TECH 4187/5187 (330:187g)	Applied Industrial Supervision and Management	
Total Hours		18

* TECH 3142 (330:142) has prerequisites of MATH 1140 (800:046) Precalculus or MATH 1150 (800:048) Calculus for Technology or MATH 1420 (800:060) Calculus I or STAT 1772 (800:072) Introduction to Statistical Methods.

Department of Theatre

(College of Humanities, Arts and Sciences)

www.uni.edu/theatre

The Department of Theatre offers the following undergraduate programs. Specific requirements for these programs are listed within this Department of Theatre section in the following order:

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

Majors

1. Students may indicate their interest in majoring in theatre any time after their admission to UNI. Formal indication of interest shall be made via the Declaration of Curriculum form. Students

may declare a Theatre Arts major or any of the emphases. 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 Creativity and Performance (with lab), Stagecraft: Scenery/Lights or Stagecraft: Costumes, and Introduction to Reading Playscripts. Major course work will be limited to courses as recommended by her/his freshman advisor and program policy
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) Creativity and Performance and THEATRE 1011 (490:011) Creativity and Performance 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 Major - Teaching

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 1000 (48C:001)	Oral Communication	3
COMM 1205 (48C:031)	Group Communication Skills *	3
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 2344 (48C:004)	Interpersonal Communication *	3
COMM 2455 (48C:015)	Group Performance: Scripting and Directing	3
COMM 2533 (48C:024)	Media Literacy	3
COMM 4355/5355 (48C:141g)	Listening	3

List of Programs by Department

COMM 4559/5559 (48C:187g)	Teaching of Speech	3
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 3115 (490:109)	Methods of Teaching Drama and Theatre	3
THEATRE 3160 (490:161)	Directing	3
Applied Activity Option:		1
Select one of the following:		
COMM 1940/3940	Applied Forensics	
COMM 1941/3941	Applied Performance Studies	
THEATRE 2050 (490:050)	Theatre Practicum	
Electives		
Select one of the following: 3		
Communication:		
COMM 4217/5217 (48C:176g)	Freedom of Speech	
COMM 4218 (48C:178)	Persuasion	
COMM 4322/5322 (48C:144g)	Advanced Interpersonal Communication	
COMM 4411/5411 (48C:122g)	Language and Communication	
COMM 4447/5447 (48C:108g)	Performance and Social Change	
or COMM 4448/5448 (48C:110g)	Cultural Performance	
COMM COR 4124 (48C:124)	Communication Theories	
Theatre:		
THEATRE 2040 (490:040)	Design Elements for Theatre	
THEATRE 3060 (490:135)	History of the Theatre I	
THEATRE 3070 (490:136)	History of the Theatre II	
other courses are available (consult with your advisor)		
Total Hours		49

* 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 are prerequisites for THEATRE 3160 (490:161).

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 four Theatre major options as defined below, and university electives to total 120 hours.

Theatre Major options:

Theatre Arts Major (Theatre core plus 12 hours Theatre Arts requirements)

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)	Creativity and Performance	3
THEATRE 1011 (490:011)	Creativity and Performance 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 four options are as follows:

Theatre Arts

Required

Theatre core	31
Theatre: select one course from each of the four groups below	12

Performance:

THEATRE 2030 (490:027)	Auditioning and the Business of Acting
THEATRE 2110	Body, Voice, Awareness
THEATRE 3125/5125 (490:127g)	Acting Studio

Design and Production:

THEATRE 2040 (490:040)	Design Elements for Theatre
THEATRE 3139 (490:140)	Production Techniques
THEATRE 3180/5180 (490:155g)	Theatre Management

List of Programs by Department

THEATRE 3190/5190 (490:157g)	Stage Management	
Theatre for Youth:		
THEATRE 3000 (490:101)	Creative Drama	
THEATRE 3100 (490:106)	Theatre in Education	
THEATRE 3110/5110 (490:104g)	Theatre for Youth	
Literature:		
THEATRE 3080/5080 (490:137g)	History of the Theatre III	
THEATRE 3195/5195 (490:168g)	Playwriting	
ENGLISH 4315/5315 (620:113g)	Early Modern Drama *	
ENGLISH 4375/5375 (620:148g)	Shakespeare *	
ENGLISH 4615/5615 (620:115g)	Modern Drama *	
Total Hours		43

* ENGLISH 4315/5315 (620:113g), ENGLISH 4375/5375 (620:148g), and ENGLISH 4615/5615 (620:115g) have prerequisite of ENGLISH 2120 (620:034) or consent of instructor. ENGLISH 2120 (620:034) may be used to satisfy Category 1A of the Liberal Arts Core.

Substitutions only by department consent.

Performance Emphasis

Required		
Theatre core		31
Theatre:		
THEATRE 2110	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
Emphasis core (6 hours selected from emphasis core 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 3139 (490:140)	Production Techniques	3
THEATRE 3140 (490:141)	Design: Sets (two required)	6
THEATRE 3145 (490:142)	Design: Lights	3
THEATRE 3150 (490:143)	Design: Costumes	3
Emphasis core (6 hours selected from emphasis core 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		
Electives outside Theatre Department (chosen in consultation with advisor)		
Emphasis core (6 hours selected from emphasis core below)		
Total Hours		55

Emphasis core:

Select 6 hours from the following emphasis core:

THEATRE 2055 (490:056)	Devised Theatre	3
THEATRE 3080/5080 (490:137g)	History of the Theatre III	3
THEATRE 3200/5200 (490:158g)	Internship	1-8
THEATRE 3170 (490:170)	Senior Project	3
THEATRE 3195/5195 (490:168g)	Playwriting	3
THEATRE 3199 (490:199)	Study Tour	1-6
PHIL 3120 (650:143)	Philosophy of Art	3

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		
Communication:		
COMM 1000 (48C:001)	Oral Communication	3
COMM 2256 (48C:011)	Oral Interpretation: Texts in Performance *	3

List of Programs by Department

COMM 2257 (48C:074)	Argumentation and Debate *	3
COMM 2344 (48C:004)	Interpersonal Communication *	3
COMM 2533 (48C:024)	Media Literacy	3
COMM 4559/5559 (48C:187g)	Teaching of Speech	3
Option A or B (below)		10-12
Option A: Communication		
Select one of the following:		
COMM 1940/3940	Applied Forensics	
COMM 1941/3941	Applied Performance Studies	
COMM 2255 (48C:071)	Public Speaking *	
COMM 2455 (48C:015)	Group Performance: Scripting and Directing	
Theatre:		
Select one of the following:		
THEATRE 3000 (490:101)	Creative Drama	
THEATRE 3100/CAP 3106 (CAP:106)	Theatre in Education	
Option B: Theatre		
THEATRE 1012 (490:015)	Stagecraft: Scenery/Lights **	
THEATRE 1030 (490:024)	Acting **	
THEATRE 3020 (490:138)	Playscript Analysis and Interpretation	
THEATRE 3160 (490:161)	Directing	
Total Hours		28-30

* 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 classes must be taken before THEATRE 3160 (490:161).

Theatre Minor

Required

Theatre core:		
THEATRE 1010 (490:010)	Creativity and Performance	3
THEATRE 1011 (490:011)	Creativity and Performance 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 as approved by the department	9
Total Hours	24

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.

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.

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.

6289 (289) or 7389 (389) Seminar - Offered as needed in the various disciplines. Credit and topic to be given in Schedule of Classes.

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.

629R (29R) Directed Research - 1-12 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.

6297 (297) or 7397 (397) Practicum - 2-3 hrs. Offered as needed in the various disciplines to provide practical experience in college teaching.

6299 (299) or 7399 (399) Research - See details for approval and registration.

7300 (300) Post-Comprehensive Registration. For Doctor of Education and Doctor of Industrial Technology programs.

Individual Studies Program

Courses offered in the Individual Studies Program may have a prefix of INDIVSTU xxxx (000:xxx) instead of a department number. These include:

4192 (192) Exploratory Seminar - 1-3 hrs.

4196 (196) Interdisciplinary Readings - 1-3 hrs.

4197 (197) Undergraduate Thesis - 3-6 hrs.

4198 (4198) Individual Study Project - Hours arranged by Individual Studies Program Coordinator.

Common Course Number Crosswalk

3-digit Number effective through Summer 2011	4-digit Number Effective Fall 2011	Course Title
059	1059	Experimental
159	3159	Experimental
159g	4159/5159	Experimental
259	6259	Experimental
359	7359	Experimental
133	3133	Workshop
133g	4133/5133	Workshop
233	6233	Workshop
179	3179	Cooperative Education
086	1086	Studies In:
186	3186	Studies In:
186g	4186/5186	Studies In:
286	6286	Studies In:
386	7386	Studies In:
09C	109C	Open Credit
19C	319C	Open Credit
19P	319P	Presidential Scholars Research
198	4198	Independent Study
199	3199	Study Tour
285	6285	Readings
385	7385	Readings
289	6289	Seminar
389	7389	Seminar

Common Course Numbers

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	COMMGRAD	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
000	INDIVSTU	Individual Studies	Interdisciplinary
710	CHIN	Chinese	Languages and Literatures
620	ENGLISH	English Language and Literature	Languages and Literatures
720	FREN	French	Languages and Literatures

Guide to Course Number Prefixes

740	GER	German	Languages and Literatures
700	LANG	Languages	Languages and Literatures
790	PORT	Portuguese	Languages and Literatures
770	SLAV	Russian	Languages and Literatures
780	SPAN	Spanish	Languages and Literatures
630	TESOL	TESOL/Applied Linguistics	Languages and Literatures
150	MGMT	Management	Management
130	MKTG	Marketing	Marketing
800	ACT SCI	Actuarial Science	Mathematics
800	MATH	Mathematics	Mathematics
800	STAT	Statistics	Mathematics
080	MIL SCI	Military Science	Military Science
540	MUS APPL	Music Applied	School of Music
570	MUS ED	Music Education and Methods	School of Music
530	MUS ENS	Music Ensembles	School of Music
590	MUS HIST	Music History	School of Music
595	MUS LIT	Music Literature	School of Music
560	MUS TECH	Music Techniques	School of Music
580	MUS THEO	Music Theory	School of Music
520	MUSIC	Music	School of Music
650	PHIL	Philosophy	Philosophy and World Religions
640	RELS	World Religions	Philosophy and World Religions
880	PHYSICS	Physics	Physics
942	POL AMER	Politics, American	Political Science
944	POL COMP	Politics, Comparative	Political Science
940	POL GEN	Politics, General	Political Science
943	POL INTL	Politics, International	Political Science
941	POL THRY	Political Theory	Political Science
400	PSYCH	Psychology	Psychology
950	PUB POL	Public Policy	Public Policy
290	COUN	Counseling	School of Applied Human Sciences
31F	FAM SERV	Family Services	School of Applied Human Sciences
31G	GERO	Gerontology	School of Applied Human Sciences
31I	INTDSGN	Interior Design	School of Applied Human Sciences

310	NUTR	Nutrition	School of Applied Human Sciences
31T	TEXDSGN	Textiles and Apparel	School of Applied Human Sciences
820	PSM	Professional Science Masters	Science Education
820	SCI ED	Science Education	Science Education
830	ENV SCI	Environmental Science	Science Education
900	SOC SCI	Social Science	Social Science
450	SW	Social Work	Social Work
990	ANTH	Anthropology	Sociology, Anthropology, and Criminology
982	CRIM	Criminology	Sociology, Anthropology, and Criminology
980	SOC	Sociology	Sociology, Anthropology, and Criminology
220	SPED	Special Education	Special Education
280	TEACHING	Teaching	Teaching
330	TECH	Technology	Technology
490	THEATRE	Theatre	Theatre
010	UNIV	University, Interdisciplinary	University, Interdisciplinary
some 680 and 900 prefixes	WGS	Women's and Gender Studies	Women's and Gender Studies

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Accounting Courses (ACCT)

No upper level (100/3000-level and above) accounting courses may be taken on a credit/no credit or audited basis without written consent of the department head or director of the MAcc, except ACCT 3090 (120:169), ACCT 3092/5092 (120:170g), ACCT 3179 (120:179), and ACCT 6090 (120:269).

Courses

ACCT 2120 (120:030). Principles of Financial Accounting — 3 hrs. Introduction to reporting financial information regarding the operating, investing and financing activities of business enterprises to present and potential investors, creditors, and others. *Regression note:* Subsequent to successfully completing a 100/3000/4000-level Accounting course, neither ACCT 2120 (120:030) nor ACCT 2130 (120:031) may be repeated. Prerequisite(s): sophomore standing. (Fall, Spring, Summer)

ACCT 2130 (120:031). Principles of Managerial Accounting — 3 hrs.

Introduction to processes leading to information useful to decision-makers responsible for an accounting entity's activities. Includes product costing, cost behavior, budgeting, performance analysis, and relevant costs. *Regression note:* Subsequent to successfully completing a 100/3000/4000-level Accounting course, neither ACCT 2120 (120:030) nor ACCT 2130 (120:031) may be repeated. Prerequisite(s): C- or better in ACCT 2120 (120:030); sophomore standing. (Fall, Spring, Summer)

ACCT 3055 (120:144). VITA: Individual Income Tax Preparation — 2 hrs.

The Volunteer Income Tax Assistance Program (VITA) is sponsored by the IRS. VITA volunteers prepare federal and state income tax returns at no charge for low-income individuals. May be repeated one time for maximum of 4 hours. Prerequisite(s): ACCT 4150 (120:132). (Spring)

ACCT 3075. Legal Concepts for Accountants — 3 hrs.

Study of legal concepts including contracts, UCC, commercial paper, secured transactions, business organizations, and bankruptcy. Prerequisite(s): junior standing. (Fall, 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, 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, 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, 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)

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)

Course Descriptions

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, 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, Spring)

ACCT 4080 (120:148). FAR Review — 3 hrs.

Designed to aid candidates in developing approaches to solutions of problems and answers to questions in the CPA examinations. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122 (120:130); ACCT 3130 (120:131); ACCT 3140 (120:136); ACCT 4150 (120:132); ACCT 4160 (120:134); junior standing. (Spring)

ACCT 4082 (120:149). Regulation Review — 3 hrs.

Intensive study of business law and income tax. Designed to assist accounting students as they prepare for the regulation portion of the CPA examination. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122 (120:130); ACCT 3130 (120:131); ACCT 3140 (120:136); ACCT 4150 (120:132); ACCT 4160 (120:134); ACCT 6170 (120:201) or ACCT 3075; junior standing or admission to the MAcc program. (Spring)

ACCT 4084 (120:150). Auditing Review — 1 hr.

Intensive review of auditing concepts to prepare accounting students for the Auditing section of the CPA examination. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); ACCT 3120 (120:129); ACCT 3122 (120:130); ACCT 3130 (120:131); ACCT 3140 (120:136); ACCT 4150 (120:132); ACCT 4160 (120:134); junior standing. (Spring)

ACCT 4150 (120:132). Income Tax — 3 hrs.

Introductory course in federal income taxation as applied to individuals and businesses; emphasis on income and expense recognition, individual taxation, and property transactions. Prerequisite(s): ACCT 2120 (120:030); ACCT 2130 (120:031); C- or better in ACCT 3120 (120:129); junior standing. (Fall and either Spring or Summer)

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, 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 — 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 — 1-6 hrs.

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, 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) (800:060); junior standing. (Same as MATH 3780/5780 (800:145g))(Fall, 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. (Even Falls)

ACT SCI 4739/5739 (800:158g). Topics in Actuarial Science — 3 hrs.

Topics from mathematics of life contingencies, risk theory, survival analysis, construction of actuarial tables, demography, gradation. May be repeated on different topic with consent of instructor. Prerequisite(s): MATH 3752/5752 (800:152g); junior standing; 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, 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, Spring)

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)) (Even Springs)

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)

ANTH 3103 (990:161). Religion, Magic, and Witchcraft — 3 hrs.

Anthropological understanding of behavior dealing with the supernatural; supernatural beliefs, practices, and movements throughout the world. (Same as RELS 3103 (640:161))(Spring)

Course Descriptions

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 SOC 3411/5411 (980:167g))(Odd Springs)

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, 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. (Even Springs)

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. (Odd Springs)

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 3412/5412 (990:157g). Ritual and Symbolism — 3 hrs.

Comparative approach to study of ritual in socio-cultural contexts. Consideration of psychological, sociological, and cultural interpretations of ritual symbolism based on case studies from selected non-Western cultures. Focus on rites of passage, reversal, and healing. 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). (Even Falls)

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. (Odd Summers)

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 primates, monkeys, and apes act as a foundation for interpreting the origins of humans and their behaviors. Prerequisite(s): ANTH 1001 (990:010). (Odd Falls)

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 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 approval of department head. 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, Spring)

ARTHIST 1111 (600:040). Survey of Art History I — 3 hrs.

Introduction to history of art; Ancient through Medieval. (Fall, Spring)

Course Descriptions

ARTHIST 1222 (600:041). Survey of Art History II — 3 hrs.
Introduction to history of art; Renaissance through Modern. (Fall, Spring)

ARTHIST 4000/5000 (600:138g). Research Methods and Writing in Art History — 3 hrs.
Introduction to research methods and writing in art history. Cannot be used to satisfy art history requirements in the studio or art education emphases. Prerequisite(s): completion of Foundations Sequence; junior standing. (Variable)

ARTHIST 4002/5002 (600:139g). Ancient Near Eastern Art — 3 hrs.
Examination of various developments in the Ancient Near East (e.g., Mesopotamia, Anatolia, and the Levant), from formative periods to first millennium, primarily through art and architecture. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisites for non-art majors: junior standing. (Variable)

ARTHIST 4010/5010 (600:140g). Ancient Egyptian Art — 3 hrs.
Examination of Egyptian culture from early phases of Pre-Dynastic to first millennium, primarily through art and architecture. Prerequisite(s): for Art majors and Art History minors: ARTHIST 1111 (600:040); ARTHIST 1222 (600:041); junior standing. Prerequisites for Art Studio minors: ARTHIST 1111 (600:040) or ARTHIST 1222 (600:041); junior standing. Prerequisites for non-art majors: junior standing. (Variable)

ARTHIST 4020/5020 (600:141g). Art History Ancient Greek — 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 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, Spring)

ART 1022 (600:019). Drawing II — 3 hrs.

Continuation of ART 1011 (600:018) with greater emphasis upon self-direction. Prerequisite(s): ART 1011 (600:018). (Fall, 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, 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, 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, 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, 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. (Fall, Spring)

ART 2050 (600:080). Painting I — 3 hrs.

Experience in various painting media. Prerequisite(s): Art majors/minors must complete the Foundations Sequence. (Fall, Spring)

Course Descriptions

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, 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, 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, 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, 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)

ART 3020 (600:161). Ceramics II — 3 hrs.

Continuation of ART 2020 (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, 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, 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, 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). (Fall, Spring)

ART 3044 (600:170). Jewelry Design and Metalsmithing III — 3 hrs.

Study of advanced metalsmithing techniques for the creation of jewelry, functional objects, and small sculpture. Emphasis on critical awareness of contemporary issues in metalsmithing, especially as related to interests and direction of the individual. Prerequisite(s): ART 3040 (600:124). (Fall, Spring)

ART 3050 (600:162). Painting II — 3 hrs.

Continuation of ART 2050 (600:080) with greater emphasis upon self-direction. Prerequisite(s): ART 2050 (600:080). (Fall, Spring)

ART 3055 (600:180). Painting III — 3 hrs.

Prerequisite(s): ART 3050 (600:162). (Fall, 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, 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, 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, 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, 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, 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, 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, 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, Spring)

ART 4000 (600:175). Undergraduate Studio — 1-6 hrs.

Advanced study in studio area: Ceramics, Drawing, Jewelry Design, Metalsmithing, 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, 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, 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, Spring)

ART 4198 (600:198). Independent Study.

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, 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, 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, Spring)

ART 6297 (600:297). Practicum.

(Variable)

Course Descriptions

ART 6299 (600:299). Research.
(Fall, 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 2011 (42T:024). Introduction to Athletic Training Clinical Experience — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 1010 (42T:023) (AT 1010 (42T:023)). Corequisite(s): AT 2020 (42T:028). (Summer)

AT 2020 (42T:028). Clinical Anatomy — 3 hrs.
Clinical anatomy of the human body which includes palpation, range of motion assessments, manual muscle testing, neurological testing, and structure identification. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. Corequisite(s): AT 2011 (42T:024). (Summer)

AT 2030 (42T:033). Emergency Care in Athletic Training — 2 hrs.
The theory, ethics, components, indications, and psychomotor skills of emergency care in athletic training. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. Corequisite(s): AT 2031 (42T:034). (Fall)

AT 2031 (42T:034). Emergency Care in Athletic Training Clinical Experience — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 2030 (42T:033) (AT 2030 (42T:033)). Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. Corequisite(s): AT 2030 (42T:033). (Fall)

AT 3000 (42T:140). Athletic Training Practicum — 1-3 hrs.
Comprehensive educational experiences in athletic training psychomotor and cognitive domains, and clinical proficiencies to be supervised/mentored in multiple practicum sections through athletic training field experiences (160-320 hours/semester). May be repeated for maximum of 12 hours. Prerequisite(s): acceptance into the athletic training education program. (Fall, Spring)

AT 3040 (42T:137). Lower Body Injury Assessment — 2 hrs.
Recognition and evaluation of athletic injuries occurring to the hip, pelvis, thigh, knee, leg, and ankle. Prerequisite(s): AT 3060 (42T:110). Corequisite(s): AT 3041 (42T:138). (Fall)

AT 3041 (42T:138). Lower Body Injury Assessment Clinical Experience — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3040 (42T:137). Prerequisite(s): AT 2020 (42T:028); AT 3060 (42T:110). Corequisite(s): AT 3040 (42T:137). (Fall)

AT 3050 (42T:134). Upper Body Injury Assessment — 2 hrs.
Recognition and evaluation of athletic injuries occurring to the head, face, vertebral column, shoulder, forearm, wrist, and hand. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. Corequisite(s): AT 3051 (42T:135). (Spring)

AT 3051 (42T:135). Upper Body Injury Assessment Clinical Experience — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3050 (42T:134). Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. Corequisite(s): AT 3050 (42T:134). (Spring)

AT 3060 (42T:110). Athletic Training Administration — 2 hrs.
Theoretical and practical study of organization and administration in the field of athletic training. Prerequisite(s): AT 1010 (42T:023); admission into the athletic training program. (Fall)

AT 3070 (42T:143). Therapeutic Modalities — 2 hrs.
Effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic modalities in injury rehabilitation of the physically active. Prerequisite(s): AT 1010 (42T:023); AT 2011 (42T:024); AT 2020 (42T:028); admission into athletic training program. Corequisite(s): AT 3071 (42T:144). (Fall)

AT 3071 (42T:144). Therapeutic Modalities Clinical Experience — 1 hr.
Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3070 (42T:143) (AT 3070 (42T:143)). Prerequisite(s): AT 1010 (42T:023); AT 2011 (42T:024); AT 2020 (42T:028); admission into athletic training program. Corequisite(s): AT 3070 (42T:143). (Fall)

AT 3080 (42T:157). Therapeutic Exercise — 2 hrs.
Effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic exercises in injury rehabilitation. Prerequisite(s): AT 2020 (42T:028); AT 3070 (42T:143); AT 3071 (42T:144). Corequisite(s): AT 3081 (42T:158). (Spring)

AT 3081 (42T:158). Therapeutic Exercise Clinical Experience — 1 hr.

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3080 (42T:157) (AT 3080 (42T:157)). Prerequisite(s): AT 2020 (42T:028); AT 3070 (42T:143); AT 3071 (42T:144). Corequisite(s): AT 3080 (42T:157). (Spring)

AT 3090 (42T:162). Athletic Training Pharmacology — 2 hrs.

Effects, indications, and contraindications of therapeutic medications as related to the prevention and care of athletic injuries of the physically active. Prerequisite(s): AT 3060 (42T:110). (Fall)

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). Athletic Training Pathology — 3 hrs.

Study of the pathology of orthopedic injuries and conditions that are commonly seen by certified athletic trainers. Prerequisite(s): AT 3060 (42T:110). (Fall, 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. (Even Springs)

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. (Fall)

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, 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. Prerequisite(s): admitted into the Doctor of Education Rehabilitation Studies intensive study area and/or the Master of Science Athletic Training degree program. (Fall, 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)

Course Descriptions

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, 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, 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, Spring, Summer)

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, 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, 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 2084 (840:084). Introduction to Natural History Interpretation — 3 hrs.

Exploration and analysis of the skills, settings, characteristics, domains, and experiences of the Natural History Interpreter. Interpretive presentation development and initiation of a Natural History Interpretation Portfolio for those pursuing the minor in Natural History Interpretation. Discussion, 3 periods. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052). (Even Springs)

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 BIOL 3101 (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 (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 3119 (840:119). Biotechnology Applications — 3 hrs.

Highlights applications of biotechnology to improve human life and the environment. Introduction to microbial, animal, and plant biotechnology using a problem-based approach requiring team work. 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). Prerequisites for Bioinformatics majors and minors: BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Variable)

BIOL 3120 (840:120). Plant Diversity and Evolution — 4 hrs.

Form and function in vegetative and reproductive organs in all plant divisions, from algae to flowering plants, and their importance in evolutionary thought and plant classification. Lecture, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). (Spring)

BIOL 3140 (840:140). Genetics — 4 hrs.

Analytical approach to classical, molecular, and population genetics. Discussion, 3 periods; lab, 2 periods. Prerequisite(s): BIOL 2051 (840:051); BIOL 2052 (840:052); CHEM 1110 (860:044) and CHEM 1120 (860:048), or CHEM 1130 (860:070). 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, 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, Spring)

BIOL 3152 (840:152). Microbial Molecular Genetics — 4 hrs.

Introduction to the study of microbial genetics and molecular biology. Laboratory emphasizes methods used to study bacteria inheritance patterns (conjugation, transduction, and transformation mapping) and modern molecular techniques of genetic analysis such as polymerase chain reaction and DNA sequencing. 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 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.

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)

Course Descriptions

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, Spring)

BIOL 4105/5105 (840:105g). Wildlife Ecology and Management — 4 hrs.

Ecologically based principles of managing populations of game and nongame wildlife. Includes scientific theory and sociopolitical perspectives of management. Discussion, 3 periods; lab, 3 periods. 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 1040 (860:063) 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 1040 (860:063) 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 1040 (860:063) or CHEM 2210 (860:120); junior standing. (Fall)

BIOL 4129/5129 (840:129g). Genomics and Proteomics — 3 hrs.

Highlights advances in genome and protein sequencing, sequencing strategies, interpretation of sequence data, database mining, sequence information for drug development, analyzing gene and protein expressions using DNA and protein chips, and bioethical issues surrounding genomics. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); BIOL 3119 (840:119) or BIOL 4128/5128 (840:128g) or CHEM 4510/5510 (860:154g); 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 1040 (860:063) 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 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)

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. (Variable)

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.

Patterns of biological diversity, conservation ethics, extinction threats, island biogeography theory, population genetics of rare species, conservation in zoos, establishment and management of protected areas, and community-based conservation. Lecture/discussion, 3 periods; arranged field trip. Prerequisite(s): BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. (Even Falls)

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. (Fall)

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 2084 (840:084); BIOL 3100 (840:100); BIOL 3140 (840:140); junior standing. For Earth Science Major-Interpretive Naturalist Emphasis: BIOL 2084 (840:084); BIOL 3100 (840:100); junior standing. (Odd Springs)

Course Descriptions

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): EDPSYCH 3128 (200:128); 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. (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, Spring)

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.) 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. (Spring)

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. (Spring)

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 — 3 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, 5 periods. Prerequisite(s): consent of instructor. (Fall)

BIOL 6289 (840:289). Seminar — 1 hr. (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, Spring)

BIOL 6297 (840:297). Practicum. (Variable)

BIOL 6299 (840:299). Research. (Fall, Spring, Summer)

BIOL 629R (840:29R). Directed Research. (Fall, Spring, Summer)

Business Administration, Interdepartmental Courses (BUSINESS)

Courses

BUSINESS 1000 (100:010). Freshman Seminar for Business Professionals — 0 hrs.

Required for beginning 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, Spring)

BUSINESS 2000 (100:020). Business Professional 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. Required of sophomore business majors. Pass/no credit only. Prerequisite(s): BUSINESS 1000 (100:010) or junior standing or consent of CBA advisor; pre- or declared business majors only. (Fall, 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.

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 semester; business majors only; junior standing. (Fall, Spring)

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))(Fall, Spring)

BUSINESS 3169 (100:169). International Experience — 0 hrs.

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 only.

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; senior standing. (Fall, 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, Spring)

CAP 3105 (CAP:105). Sacred Space — 3 hrs.

This course asks why certain space is considered sacred and what the effect of that sacred space is on the profane space around it. Takes an interdisciplinary approach, drawing on such fields as anthropology, art, architecture, history, and religion. Prerequisite(s): junior standing. (Variable)

CAP 3106 (CAP:106). Theatre in Education — 3 hrs.

Application of theatre performance and improvisation techniques to the teaching of a specific curricular topic intended for young audiences. Prerequisite(s): junior standing. (Same as THEATRE 3100 (490:106))(Variable)

CAP 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)

Course Descriptions

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, 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, 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 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 GER 3048 (740:148))(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)) (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 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, 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)

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))(Fall, 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 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))(Fall, Spring)

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, 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, 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)

CHEM 1040 (860:063). 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 1120 (860:048) or CHEM 1130 (860:070). (Fall, Spring)

CHEM 1110 (860:044). General Chemistry I — 4 hrs.
Structure of matter, its physical properties and laws describing them, the periodic table and its relation to atomic structure and chemical properties, and non-metallic elements and their compounds. Students with extensive background in high school chemistry and mathematics may enter CHEM 1130 (860:070) following departmental advisement. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (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 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, 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, Spring)

CHEM 2310 (860:132). Quantitative Analysis — 4 hrs.
Theory, technique, and calculations of volumetric and gravimetric analysis. Statistical treatment of data. Classical analytical procedures supplemented by instrumental techniques. Discussion, 2 periods; lab, 6 periods. Prerequisite(s): CHEM 1120 (860:048) or CHEM 1130 (860:070). (Fall, 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. Prerequisite(s): CHEM 1040 (860:063) or CHEM 2220 (860:123); junior standing. (Fall, Spring)

Course Descriptions

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 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); CHEM 1120 (860:048); 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 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 4410/5410 (860:142g). Principles of Physical Chemistry — 3 hrs.

Physical aspects of chemistry for needs of high school chemistry teacher, and for students in biological sciences. Discussion, 3 periods. Recommended: PHYSICS 1511 (880:054). Prerequisite(s): MATH 1140 (800:046); CHEM 1120 (860:048) or CHEM 1130 (860:070); junior standing or consent of department head. (Fall)

CHEM 4420/5420 (860:140g). Physical Chemistry: Thermodynamics — 3 hrs.

Application of laws of physics to energy changes in chemical processes and reactions. Discussion, 3 periods. Prerequisite(s): MATH 1421 (800:061); CHEM 1120 (860:048) or CHEM 1130 (860:070); PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing. (Fall)

CHEM 4430/5430 (860:141g). Physical Chemistry: Kinetics, Quantum Mechanics, and Spectroscopy — 3 hrs.

Application of laws of physics to atomic and molecular structure and behavior. Discussion, 3 periods. Prerequisite(s): MATH 1421 (800:061); CHEM 1120 (860:048) or CHEM 1130 (860:070); PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing. (Spring)

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

Physical measurement techniques in chemistry. Students should enroll concurrently with, or after, their second semester of physical chemistry. Prerequisite(s): CHEM 2310 (860:132); CHEM 4420/5420 (860:140g) or CHEM 4430/5430 (860:141g) or CHEM 4410/5410 (860:142g); junior standing. (Spring)

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

Structure and function of biologically important molecules including amino acids, proteins, carbohydrates, lipids, and nucleic acids, and enzyme kinetics. Lecture, [3] periods. Prerequisite(s): 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). 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): junior standing. Prerequisite(s) or corequisite(s): CHEM 4510/5510 (860:154g). (Spring)

CHEM 4610/5610 (860:149g). Advanced Laboratory Techniques in Chemistry — 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); CHEM 4430/5430 (860:141g). (Fall)

CHEM 6110 (860:210). 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. (Odd Springs)

CHEM 6210 (860:220). 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. (Even Falls)

CHEM 6289 (860:289). Seminar — 1 hr.

Current topics in chemistry. May be repeated. (Fall, Spring)

CHEM 6299 (860:299). Research.

(Fall, Spring, Summer)

CHEM 629R (860:29R). Directed Research.
(Fall, Spring)

CHEM 6310 (860:242). 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. (Even Springs)

CHEM 6410 (860:241). 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. (Even Falls)

CHEM 6510 (860:254). 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). (Odd Falls)

CHEM 6610 (860:211). 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. (Spring)

CHEM 6620 (860:240). Special Problems in Chemistry — 1-6 hrs.
Credit determined at registration. Problems selected according to needs of students. Prerequisite(s): consent of department head. (Fall, Spring)

CHEM 6630 (860:292). Research Methods and Chemical Literature — 1-3 hrs.
Concepts and procedures for developing a chemical research problem; use and importance of chemical literature. (Fall, Spring)

Chinese Courses (CHIN)

Courses

CHIN 1001 (710:001). Elementary Chinese I — 5 hrs.
For beginners. (Variable)

CHIN 1002 (710:002). Elementary Chinese II — 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 — 5 hrs.
Continuation of CHIN 1002 (710:002). Progressive development of writing, reading, and speaking skills through sequence of exercises relating to daily practical living. Grammatical refinement using numerous illustrations of more difficult new words in dialogues on everyday topics. Prerequisite(s): CHIN 1002 (710:002) or consent of instructor. (Variable)

Communication Sciences and Disorders Courses (CSD)

Courses

CSD 1000 (51C:006). Understanding Communication Disorders — 3 hrs.

Provides a general understanding of normal and disordered speech, language, and hearing in adults and children. Covers normal development of communication behavior, the nature of communication disorders, and how speech-language pathology and audiology interact with allied fields (e.g., education, medicine, psychology, and special education). (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. Corequisite(s): CSD 3101 (51C:107). (Spring)

CSD 3101 (51C:107). Language Analysis Lab — 1 hr.

Experience in applications of language sample analysis procedures for children at different levels of development. Corequisite(s): CSD 3100 (51C:106). (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 — 4 hrs.

Study of neuroanatomical and neurophysiological bases of speech production. Prerequisite(s): CSD 3135 (51C:114); junior standing. (Fall)

CSD 3135 (51C:114). Anatomy and Physiology of Speaking Mechanism — 3 hrs.

Introduction to functional anatomy and physiology in the speech mechanism. (Fall)

CSD 3140/5140. Introduction to Neurogenic Disorders — 2 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. (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)

Course Descriptions

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. (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. (Fall)

CSD 3250/5250 (51C:162g). Speech Science — 4 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. (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. (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. (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): Communicative 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 — 2 hrs.

Study of communication patterns, assessment accommodations, intervention, and transition practices for selected low- incidence clinical categories across the lifespan. Prerequisite(s): junior standing. (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. (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. (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. (Fall)

CSD 4150/5150. Developmental Neurology in Communication Sciences and Disorders — 2 hrs.

Provides advanced undergraduate and new graduate students in communications 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. (Variable)

CSD 4200/5200 (51C:190g). 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 or graduate standing or consent of instructor. (Variable)

CSD 4500 (51C:155). Clinical Practice — 1 hr.

Clinical experience evaluation and remediation of language and articulation disorders as well as experience in testing of hearing. Must be repeated for total of 2 hours for students planning to major in Speech-Language Pathology at the graduate level. Prerequisite(s): Communicative 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): approved statistics course. (Fall, Spring)

CSD 6100 (51C:282). Professional Issues — 1 hr.

Study of current professional issues in speech-language pathology. Prerequisite(s): graduate major in speech-language pathology. (Spring)

CSD 6200 (51S:220). Cleft Palate — 2 hrs.

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. (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): consent of instructor. (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 advisor. (Fall, Spring, Summer)

CSD 6299 (51C:299). Research — 1-6 hrs.

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): CSD 3100 (51C:106); CSD 3200/5200 (51C:127g); or consent of instructor. (Fall)

CSD 6400 (51S:226). Disorders of Voice — 3 hrs.

In-depth study of the etiology, diagnosis, and management of voice disorders. Prerequisite(s): CSD 3135 (51C:114); CSD 3130/5130 (51C:164g); or consent of instructor. (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): CSD 3200/5200 (51C:127g) or consent of instructor. (Fall)

CSD 6500 (51S:255). Advanced Clinical Practice — 1-4 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 four 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, Spring, Summer)

CSD 6560. Diagnostics in Communication Disorders — 2 hrs.

Theoretical and practical aspects of the evaluation process. 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): consent of instructor. (Fall, Spring, Summer)

CSD 6600 (51S:229). Dysphagia — 2 hrs.

Diagnosis and remediation of dysphagia in children and adults. Prerequisite(s): CSD 3130/5130 (51C:164g). (Spring)

CSD 6650 (51S:228). Aphasia and Related Disorders — 3 hrs.

Diagnosis and remediation of aphasia in adults. Prerequisite(s): CSD 3130/5130 (51C:164g) or consent of instructor. (Spring)

CSD 6660. Advanced Diagnostics in Communication Disorders — 1-3 hrs.

Advanced techniques in communication disorders assessment (interviewing; report-writing; clinical application.) Must be repeated for total of 2 hours for majors in Speech-Language Pathology. Corequisite(s): CSD 6500 (51S:255) (Variable)

CSD 6700 (51S:232). Clinical Phonology — 2 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. (Fall)

CSD 6800. Fluency Disorders — 2 hrs.

Study of etiology, diagnosis, and management of fluency disorders. (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, 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 8 hours. Prerequisite(s): consent of instructor. (Fall, 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, Spring)

COMM 2011 (48C:002). Introduction to Communication — 1 hr.

Overview of the communication discipline, career paths, and career preparation. 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, 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, 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)

Course Descriptions

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) or ENGLISH 1120 (620:031) or equivalent. (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 2533 (48C:024). Media Literacy — 3 hrs.

Development of the ability to critically analyze media messages by examining the techniques, technologies, and institutions that are involved in media production. (Spring)

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, 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. Organizational communication processes may include leadership decision-making, conflict resolution, 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, Spring)

COMM 3156. Leadership Communication and Citizenship — 3 hrs.

Leadership Communication and Citizenship: 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, 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). Applied Forensics — 1 hr.

Credit for approved participation in competitive speech and debate activities. May be repeated for maximum of 8 hours. Prerequisite(s): consent of instructor. (Fall, Spring)

COMM 3941 (48C:193). Applied Performance Studies — 1-2 hrs.

Credit for approved 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, 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, 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, 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.

Methods used to assess communication behavior and communication effectiveness in organizations. Special attention to communication auditing techniques, and creation of appropriate intervention techniques. Prerequisite(s): COMM COR 2020 (48C:080); COMM 3055 (48C:132); junior standing. (Spring)

COMM 4156/5156. Leadership: Concepts and Practices — 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, 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)

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, 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.

Examination of construction and performance of gender identities through verbal and non-verbal communication. Critical analysis of biological, sociological, and patriarchal explanations for presumed gender differences in communication. 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, 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, 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)

Course Descriptions

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, Spring)

COMM 4544/5544 (48C:120g). Technology and Human Communication — 3 hrs.

Investigation of the relationships between technology and communication and their impact on social behavior, thought, and culture. Prerequisite(s): junior standing. (Even Falls)

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 or every two years)

COMM 4559/5559 (48C:187g). Teaching of 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 48C course work; EDPSYCH 2017 (200:017); 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, Spring)

COMM COR 2020 (48C:080). Introduction to 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, Spring)

COMM COR 3010/5010 (48J:124g). Communication Theories — 3 hrs.

(Cross listed as COMM COR 4124 (48C:124) (48C:124)) Prerequisite(s): junior standing. (Fall, 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, 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. (Cross listed as COMMGRAD 6001 (48C:201)) (Fall, 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, 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 6018 (48P:224). Mass Communication Theory — 3 hrs.

(Cross listed as COMMGRAD 6016 (48E:224)) (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. (Offered Fall and Spring)

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, 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 6048 (48P:222). Seminar in Mass Communication — 3 hrs.

(Cross listed as COMMGRAD 6046 (48E:222)) (Variable)

COMMGRAD 6299 (48C:299). Research.

(Fall, Spring, Summer)

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. (Cross listed as COMMGRAD 6900 (48C:292)) 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, a 1-hr. grade. Credit/no credit only. (Fall, Spring)

COMM EM 1611 (48E:021). Electronic 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, Spring)

Course Descriptions

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

Introduction to audio and video production concepts and technologies. Emphasis on basic production techniques, production terminology, and communication with audiences. (Fall, 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, 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 1655 (48E:003); COMM EM 1659 (48E:071). (Fall, 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 1655 (48E:003); COMM EM 1659 (48E:071). (Fall, 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. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

COMM EM 3179 (48E:179). Cooperative Education. (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 1655 (48E:003); junior standing or consent of instructor. (Fall, 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). 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. 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, 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, 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, Spring)

COMM J 2755 (48J:071). News Writing for Print 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, Spring)

COMM J 3179 (48J:179). Cooperative Education.

(Variable)

COMM J 3755 (48J:174). Online 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, 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, 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)

COMM J 4715/5715 (48J:178g). Specialized Reporting: (Topics) — 3 hrs.

Prepares students to gather and report news in specialized areas such as business, education, sports, science, health, environmental issues, and international affairs. Two or three topics to be included in each offering of the course; topics indicated in Schedule of Classes. May be repeated more than once on different topic. 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, 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, Spring)

Course Descriptions

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, 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 4 hours. Prerequisite(s): consent of instructor. (Fall, Spring)

COMM PR 3179 (48P:179). Cooperative Education.

(Variable)

COMM PR 3844/5844 (48P:184g). Public Relations: Integrated Communications — 3 hrs.

Study of strategies and practice of skills needed to practice "Integrated Communications", including use of public relations in the mix of marketing communication function within organizations. 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, 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). 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 4 hours. Prerequisite(s): consent of instructor. (Fall, Spring)

COMM PR 4811/5811 (48P:188g). Public Relations: Cases and Studies — 3 hrs.

Analysis of selected cases and their ethical implications; design and simulation of particular public relations campaigns conducted by students. Prerequisite(s): senior standing or consent of instructor. (Fall, Spring)

COMM PR 4822/5822 (48P:170g). Global Public Relations — 3 hrs.

Examination and comparison of cultural and geopolitical distinctions of global public relations practice. 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.

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, 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). Computational Modeling and Simulation — 3 hrs.

Explores computational approaches to solving complex problems using computational tools and dynamic and discrete simulations. Topics include problem representation, modeling, simulation, and model/simulation validation, with applications in the sciences, social sciences, and business. (Fall, 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 1071 (810:024). Software Applications for Testing — 3 hrs.

Introduces productivity tools used by software testers including word processors, spreadsheets, and databases. Develops skills for producing and integrating text, spreadsheet, and database files in a software testing context. (Variable)

CS 1072 (810:071). Software Requirements Analysis — 3 hrs.

Software analysis techniques including graphic modeling, use of CASE tools, and document production. Techniques for problem understanding, requirements identification, and validation and verification are also addressed. Prerequisite(s): CS 1130 (810:030); CS 1800 (810:080). (Variable)

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, Spring)

CS 1140. Introduction to Programming Environments for 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.

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, 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, 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, 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, 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.

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, Spring)

CS 2650 (810:165). Computational Biology I — 3 hrs.

Intermediate programming with emphasis on bioinformatics. Introduction to computational DNA and protein sequence analysis; genome rearrangements; restriction mapping; dynamic programming and optimal alignment algorithms; exploration of BLAST, FASTA, and gapped alignment. Prerequisite(s): CS 1160 (810:036) or CS 1510 (810:051); CS 1800 (810:080). (Fall)

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, Spring)

Course Descriptions

CS 2880 (810:088). Topics in Computing — 3 hrs.

Topics from recent developments in computing appropriate to students with limited computer science background, often relating to relatively sophisticated or technical use of computing or recent developments in programming. May be repeated on different topic. (Variable)

CS 3120/5120 (810:112g). User Interface Design — 3 hrs.

Examination of the theory, design, programming, and evaluation of interactive application interfaces. Built around a large design and implementation project that is completed in groups. 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 2530 (810:053); plus one of the following - CS 3140/5140 (810:114g), CS 3150/5150 (810:115g), CS 3530 (810:153), CS 3540 (810:154), CS 2720 (810:172); 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, 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. 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 II — 3 hrs.

Advanced bioinformatics computing: DNA sequencing and fragment assembly; gene expression arrays; clustering algorithms; evolutionary trees; multiple alignments: PSI-BLAST, CLUSTAL; graphical 3-D representation of proteins; Hidden Markov models. Prerequisite(s): CS 2650 (810:165); junior standing. (Spring)

CS 3730/5730 (810:173g). Project Management — 3 hrs.

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. (Variable)

CS 3750/5750 (810:175g). Software Testing — 3 hrs.

Taxonomy of software defects, approaches to identifying software defects, and test case development. Unit testing, functional testing, and software inspection. Prerequisite(s): CS 1072 (810:071) or 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. (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. (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. (Variable)

CS 4800 (810:180). Undergraduate Research in Computer Science — 1-3 hrs.

(Fall, 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. Prerequisite(s): CS 1520 (810:052); CS 1800 (810:080); junior standing. (Variable)

CS 6140 (810:214). Database Management Systems — 3 hrs.

Database system concepts, physical data organization, the network model and the DBTG Proposal, the hierarchical model, the relational model, relational query languages, design theory of relational databases, query optimization, and normalization. Prerequisite(s): consent of instructor. (Variable)

CS 6400 (810:240). Computer Systems — 3 hrs.

Survey of issues in computer system analysis and design. Emphasis on relationship between system hardware and software including tools and environments for software development on parallel and distributed computer systems. Prerequisite(s): for Computer Science majors: CS 2420 (810:142) or CS 3430/5430 (810:143g). Prerequisite(s) for non-Computer Science majors: proficiency in a high-level programming language; consent of instructor. (Variable)

CS 6500 (810:270). Algorithms — 3 hrs.

Survey of analysis and design of algorithms. Topics include algorithm design techniques, efficient algorithms for classical problems, and intractable problems and techniques for solving them. Prerequisite(s): CS 3530 (810:153). (Variable)

CS 6800 (810:280). Theoretical Foundations of Computing — 3 hrs.

Survey of theoretical models of computation and basic theory of computability. Topics include Turing machines, undecidability, NP-completeness, and computational complexity. Consideration of applications of theory to contemporary problems in computing. Prerequisite(s): CS 3810/5810 (810:181g). (Variable)

Counseling Courses (COUN)

Courses

COUN 4103/5103 (290:103g). Introduction to Professional Counseling — 3 hrs.

Introduction to counseling in school (K-12), mental health and community agency settings. Emphasis on professional roles, current trends, and legal/ethical issues. Prerequisite(s): junior standing; consent of department head. (Fall, 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, Spring)

COUN 4198 (290:198). Independent Study.

(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, 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, Summer)

Course Descriptions

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, Summer)

COUN 6228 (290:228). Assessment Techniques in Counseling — 3 hrs.

Assessment and appraisal procedures of individuals and groups. Primary focus on the understanding and use of standardized and non-standardized tests, inventories, observations, and case data for diagnosis in counseling. Prerequisite(s): COUN 4103/5103 (290:103g); COUN 4105/5105 (290:105g); COUN 6205 (290:205) (highly recommended); consent of department head. (Fall, 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, 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, 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, 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. 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, Spring)

COUN 6299 (290:299). Research.

(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, Spring)

CRIM 2112 (982:112). White Collar Crime — 3 hrs.

Examination of theoretical definition, social impact, and changing relationship between current technological advancements and society's ability to both detect and punish white collar criminals. Prerequisite(s): SOC 1000 (980:001); CRIM 2025 (982:025). (Fall)

CRIM 2127 (982:127). Juvenile Delinquency — 3 hrs.

Examination of the causes of delinquency in children, focusing on the effects of parenting, youth subcultures, and the media. Includes youth crimes, such as shoplifting and vandalism. Prerequisite(s): SOC 1000 (980:001); CRIM 2025 (982:025). (Fall, 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 2314 (982:113). 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); sophomore standing. (Variable)

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 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, 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)

Course Descriptions

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)

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, 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, 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.

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 repeated for a maximum of 6 credits. Prerequisite(s): completion of 16 CRIM MA program credit hours or consent of instructor. (Fall, 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. 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, 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, 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, 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, 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. (Fall)

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, 4 periods. Prerequisite(s): EARTHSCI 1200 (870:021); EARTHSCI 3210/5210 (870:121g); junior standing. (Even Springs)

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 3210/5210 (870:121g); junior standing. (Odd 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); junior standing. Prerequisite(s) or corequisite(s): EARTHSCI 3210/5210 (870:121g). (Even Falls)

Course Descriptions

EARTHSCI 3300/5300 (870:128g). Fundamentals of Geology — 4 hrs.

Basic principles of physical geology intended primarily for inservice teachers. Prerequisite(s): junior standing; consent of department head. (Fall, 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. (Even Springs)

EARTHSCI 3315 (870:117). Earthquakes and Tsunamis — 2 hrs.

Study of the causes, measurements, prediction, and preparation for earthquakes and tsunamis and the effects of earthquakes and tsunamis on civilization. Discussion, 1 period; lab, 2 periods. Prerequisite(s): Student must have satisfied university entrance requirements in English and Mathematics. (Variable)

EARTHSCI 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, 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 — 2 hrs.

Methods of data collection and error analysis associated with water in the geo-hydrologic systems. Develop skills in using hydrologic equipment, including ion chromatograph, water monitoring sondes, and well purging systems. Field trips; Discussion, 1 period; Lab, 2 periods. Prerequisite(s): junior standing; consent of instructor and department head. (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 870:1xx course appropriate to the specific field studies and approved by department head; junior standing; consent of instructor. (Variable)

EARTHSCI 3420/5420 (870:189g). Readings in Earth Science — 1-3 hrs.

Maximum of 3 hours may be applied to earth science or geology majors or minors. Prerequisite(s): junior standing; consent of instructor and department head. (Variable)

EARTHSCI 3430 (870:195). Internship — 1-6 hrs.

Supervised work experience in approved work situation. Offered on credit/no credit basis only. Prerequisite(s): consent of department head. (Fall, Spring, Summer)

EARTHSCI 3500 (870:181). Investigations in Earth and Space Sciences — 4 hrs.

Introduction to significant concepts and theories of earth science and a model of effective teaching strategies related to elementary school level. Topics include geologic materials and processes acting on them and fundamentals of earth history, weather, and astronomy. Discussion and/or lab, 5 periods plus arranged. Prerequisite(s): SCI ED 1100 (820:033). (Odd Springs)

EARTHSCI 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. (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)

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, 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, 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, Spring)

Economics Courses (ECON)

Course Descriptions

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 — 1-3 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)

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). Inquiry — 3 hrs.

Introduction to the major philosophical schools of thought that underpin the practice of social and educational inquiry. Includes empiricism, critical theory, hermeneutics, and constructivism perspectives. 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 7389 (190:389). Doctoral Seminar.

Credit/no credit only. (Fall, Spring)

INTDEPED 7399 (190:399). Dissertation Research.

Credit/no credit only. Initial enrollment requires attendance at doctoral research seminar. (Fall, Spring)

Educational Leadership Courses (EDLEAD)

Courses

EDLEAD 4198 (270:198). Independent Study. (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 6224 (270:224). Organizational Studies — 1-3 hrs.

Provides knowledge base for study of contemporary and classical thought on organization behavior and organization development in schools. Prerequisite(s): EDLEAD 6206 (270:206); EDLEAD 6245 (270:245). (Variable)

EDLEAD 6225. Activities Administration I — 2 hrs.

The study 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 6226. Activities Administration II — 2 hrs.

The 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 the school's overall programming and mission. Prerequisite(s): EDLEAD 6225. (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 I — 2 hrs.

Exploration 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 6236. Community Connections II — 2 hrs.

Exploration and in-school/community application of current research 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 6235. (Variable)

Course Descriptions

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 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.

(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, Spring)

Educational Psychology Courses (EDPSYCH)

Courses

EDPSYCH 2017 (200:017). Field Experience: Exploring Teaching — 1 hr.

Direct and indirect experiences in the ways schools function, roles and responsibilities of teachers, and student behavior. Offered on credit/no credit basis only. Prerequisite(s): 2.50 cum GPA or consent of instructor and field experience coordinator. Corequisite(s): EDPSYCH 2030 (200:030). (Fall, Spring, Summer)

EDPSYCH 2030 (200:030). Dynamics of Human Development — 3 hrs.

Introduction to behavioral characteristics of individual development; basic developmental principles, age-stage characteristics; and provisions community, family, and school make in the development of children and youth. (Fall, Spring, Summer)

EDPSYCH 3128 (200:128). Field Experience: Teacher as Change Agent — 1 hr.

Field experience in which students are actively involved in preparing and teaching lessons in PK-12 settings. In preparing, teaching and reflecting on their lessons, teacher candidates are expected to draw on theory and research related to teaching and learning processes, motivation, and classroom management (introduced in co-requisite course EDPSYCH 3148 (200:148) or equivalent) and to discuss these theory/practice connections in required written assignments. Offered on credit/no credit basis only. Prerequisite(s): EDPSYCH 2017 (200:017); EDPSYCH 2030 (200:030); or equivalents. Corequisite(s): EDPSYCH 3148 (200:148); MEASRES 3150 (250:150). (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): EDPSYCH 2017 (200:017); EDPSYCH 2030 (200:030); or equivalents. Corequisite(s): EDPSYCH 3128 (200:128). 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, 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. (Fall)

EDPSYCH 4118/5118 (200:118g). Mental Health 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 4139/5139 (200:139g). Psychology of Personality, Education — 3 hrs.

Thorough investigation of the dynamics of personality, with emphasis on the principles of normal personality structure. Designed for those who seek an understanding of the structure, development, and function of personality. Prerequisite: junior standing. (Variable)

EDPSYCH 4140/5140 (200:140g). Social Psychology, Education — 3 hrs.

Intensive study of the behavior of man as affected by, and when interacting in, groups. Areas of discussion include prejudice, propaganda, anti-intellectualism, leadership, social perception, group dynamics, game theory, and student protest. 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. (Fall, Spring)

Course Descriptions

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 4170/5170 (200:170g). Psychology of Learning Disabilities — 3 hrs.

Current theories and practices in learning disabilities with emphasis on the foundations of the field, assessment practices, and specific learning disorders. Prerequisite(s): EDPSYCH 3148 (200:148) and MEASRES 3150 (250:150) or equivalent; 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, 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. (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 6232 (200:232). Risk and Resilience: Child, Family, School and Community Factors — 3 hrs.

Examination of children's cognitive and psychosocial development within family, school and community contexts, socio-historical factors which impact children, families, schools and communities, and implications for elementary school curricula and pedagogy. (Summer)

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. (Fall)

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. (Fall)

EDPSYCH 6285 (200:285). Readings. (Variable)

EDPSYCH 6289 (200:289). Seminar in Education and Psychology — 1-6 hrs.

Prerequisite(s): consent of instructor. (Variable)

EDPSYCH 6290 (200:290). Practicum in Education and Psychology — 1-6 hrs.

Prerequisite(s): consent of instructor. (Fall, Spring)

EDPSYCH 6291 (200:291). Internship in School Psychology — 1-6 hrs.

Supervised off-campus field experience. (Fall, Spring)

EDPSYCH 6299 (200:299). Research. (Fall, 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): EDPSYCH 4109/5109 (200:109g); junior standing. Must have a cumulative and UNI GPA of 2.50 or higher to enroll in this course. (Fall, 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, 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, Spring)

ELEMECML 4141/5141 (210:141g). Integrated Activities in Elementary School Science and Mathematics — 3 hrs.

Activity based on pedagogical investigation of manipulative materials and activities used in elementary science and mathematics followed by critical analysis using task analysis and research investigations. Prerequisite(s): MATH 3203 (800:134) or equivalent; junior standing. Registration requires full admission to the Teacher Education Program. (Spring)

ELEMECML 4142/5142 (210:142g). Applications in Elementary Science Teaching — 3 hrs.

Resources, content background and materials in elementary science with emphasis on 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. Registration requires full admission to the Teacher Education Program. (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, 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, 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, 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 10-hour 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, Spring)

Course Descriptions

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, etc.), physical knowledge activities, group games, and classroom management. Prerequisite(s): junior standing. (Variable)

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 EDPSYCH 2017 (200:017) and EDPSYCH 3128 (200:128); 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, 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 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 developmental psychology to the scope and depth of science instruction; analysis of strengths and weaknesses of alternative science programs including initial and subsequent costs, facility requirements, and implementation difficulties. Prerequisite(s): ELEMECML 4142/5142 (210:142g) or ELEMECML 4150/5150 (210:152g) or consent of department. (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 6254 (210:254). 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. (Variable)

ELEMECML 6255 (210:255). 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 6254 (210:254) or consent of instructor. (Variable)

ELEMECML 6257 (210:257). 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 6254 (210:254); ELEMECML 6255 (210:255); or consent of instructor. (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 — 2 hrs.**
Special topics listed in Schedule of Classes. (Fall, Spring, Summer)**ELEMECML 6297 (210:297). Practicum — 2-3 hrs.**
(Fall, Spring, Summer)**ELEMECML 6299 (210:299). Research — 1-6 hrs.**
(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. 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, Spring)

ENGLISH 1120 (620:031). Introduction to Literature — 3 hrs.

Understanding and appreciation of the basic forms of literature through close reading of literary texts, including works originally written in English. An option in the Liberal Arts Core; does not count for credit on any English Department major or minor. No credit if prior credit in ENGLISH 2120 (620:034). (Fall, 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 ENGLISH 1005 (620:005), 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 ENGLISH 1005 (620:005). (Fall, Spring)

ENGLISH 2320 (620:042). Survey of English Literature 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, Spring)

ENGLISH 2340 (620:043). Survey of English Literature: 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, Spring)

Course Descriptions

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, 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): ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015) or ENGLISH 2120 (620:034). (Fall, 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. Prerequisite(s): ENGLISH 1005 (620:005). (Variable)

ENGLISH 2715 (620:070). Beginning Poetry Writing — 3 hrs.

Attention to fundamental elements of poetry — image, metaphor, rhythm, meter, and word-music — through reading and writing. Prerequisite(s): ENGLISH 1005 (620:005). (Fall, Spring)

ENGLISH 2725 (620:071). Beginning Fiction Writing — 3 hrs.

Attention to fundamental elements in the writing of fiction including setting, narration, plot, characterization, and dialogue. Prerequisite(s): ENGLISH 1005 (620:005). (Fall, 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): ENGLISH 1005 (620:005). (Fall, Spring)

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): ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015) or ENGLISH 2120 (620:034); 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): ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015) or 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, 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)

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 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)

Course Descriptions

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 4710 (620:103). The Personal Essay — 3 hrs.

Writing various types of essays (e.g., narrative, descriptive, expository, and persuasive); attention to stylistic questions and possibilities. Prerequisite(s): ENGLISH 1005 (620:005) or ENGLISH 2015 (620:015) or ENGLISH 2120 (620:034); junior standing or consent of instructor. (Fall, Spring)

ENGLISH 4715/5715 (620:108g). 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 2715 (620:070) or consent of instructor; junior standing. (Variable)

ENGLISH 4725/5725 (620:109g). 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 2725 (620:071) or consent of instructor; junior standing. (Variable)

ENGLISH 4740/5740 (620:174g). Poetry Workshop — 3 hrs.

Advanced peer workshop focusing on relevant genres, techniques, and poets, with emphasis on the contemporary poetic situation. May be repeated for up to 9 hours of undergraduate credit and also up to 9 hours of graduate credit. Prerequisite(s): ENGLISH 4715/5715 (620:108g) or consent of instructor; junior standing. (Variable)

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 4725/5725 (620:109g) 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. Assignments vary. May be repeated for maximum of 6 hours. Prerequisite(s): ENGLISH 4785/5785 (620:177g); 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): ENGLISH 1005 (620:005) or consent of instructor; junior standing. (Fall, Spring)

ENGLISH 4940/5940 (620:165g). Literature for Young Adults — 3 hrs.

Reading and evaluation of literature suitable for adolescents. Prerequisite(s): ENGLISH 2120 (620:034) or consent of instructor; 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): EDPSYCH 3128 (200:128); EDPSYCH 3148 (200:148); MEASRES 3150 (250:150); junior standing. (Fall, 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 6297 (620:297). Practicum.

Graduate-level student teaching. Prerequisite(s): consent of instructor. Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6299 (620:299). Research.

Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Fall, Spring, Summer)

ENGLISH 6310 (620:220). Medieval English Literature — 3 hrs.

Examination of how medieval English writers transform the cultural, social, theological, philosophical, and ideological experiences of medieval society into literary language, structures, themes, and genres. Literary texts read in the original Old English or Middle English or in modern English translation. Specific topic may be listed in Schedule of Classes. Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6320 (620:221). English Renaissance Literature — 3 hrs.

(1485-1660). Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6330 (620:223). Restoration and 18th Century English Literature — 3 hrs.

(1660-1798). Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6340. 19th Century English Literature — 3 hrs.

Romantic and/or Victorian writers. May be repeated for credit on different topics. Specific topic may be listed in Schedule of Classes. Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201) (Variable)

ENGLISH 6350 (620:226). Modern English Literature — 3 hrs.

(1900-1945). Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6420 (620:231). American Romantic Literature — 3 hrs.

American literature written between 1820 and 1870 that engages major romantic ideas about human nature, divinity, the environment, aesthetics, and social reform. May include one or more contemporary works of American neo-romanticism. Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6430 (620:232). Issues in American Literature, 1865-1914 — 3 hrs.

Post-Civil War American literature that responds to issues such as Reconstruction, immigration, industrialization, changing women's roles, Darwinism, and Freudian psychoanalysis. Particular attention to the development of realism, naturalism, and regionalism in fiction. Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6450 (620:234). Modern American Literature — 3 hrs.

(1912-1945). Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

ENGLISH 6540 (620:260). Contemporary Literature — 3 hrs.

Literature from 1945 to present; may include poetry, drama, and/or fiction. Specific topic may be listed in Schedule of Classes. May be repeated for credit on different topics. Prerequisite(s) or corequisite(s): ENGLISH 6100 (620:201). (Variable)

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 4715/5715 (620:108g) or ENGLISH 4725/5725 (620:109g) 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)

Course Descriptions

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, 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, 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. (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 in 19th and 20th centuries. 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)

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)

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, 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, Spring)

Course Descriptions

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, Spring)

FAM SERV 1140. Culture and Marriage — 3 hrs.

An introduction to the diversity of marriages in the US. Topics include differences and similarities in demographic characteristics, the timing of marriage, marital roles, and relationship strengths among various cultural and ethnic groups living in the United States. (Variable)

FAM SERV 2054 (31F:054). Interpersonal Relationship Dynamics — 3 hrs.

Analysis of interpersonal relationship dynamics and dyadic decision-making using various theoretical perspectives. Study of evidence-based relationship enhancement strategies. Prerequisite(s): FAM SERV 1010 (31F:010); FAM SERV 1020 (31F:020); minimum grade of C in all prerequisite courses. (Variable)

FAM SERV 2060 (31F:060). Strategies and Issues in Family Services — 3 hrs.

Survey of prevention and intervention models, methods and professional issues involved in family services. Prerequisite(s): FAM SERV 1020 (31F:020); FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); minimum grade of C in all prerequisite courses. (Fall, 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 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, 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 & 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, 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 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, 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.

(Variable)

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, 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, 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 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, Spring)

FIN 3080 (160:170). Special Problems — 1-3 hrs.

Credit determined at registration. Prerequisite(s): junior standing; consent of department head. (Variable)

FIN 3110 (160:140). Principles of Real Estate — 3 hrs.

Introduction to nature of real estate, its investment value, and related decision analysis. Includes appraisal, investment analysis, location theory, financing, legal characteristics, and development. Not intended as pre-license course for sales personnel. Prerequisite(s): junior standing. (Fall, 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, 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, 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, Spring)

Course Descriptions

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, 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, 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 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). (Section 2 offered Spring; section 3 offered Fall; sections 1 and 4 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, 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, 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, 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, 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, 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 — 3-4 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); FREN 1012 (720:004); or equivalents. Corequisite(s): FREN 2011 (720:012). (Variable)

FREN 2002 (720:051). Composition — 2-3 hrs.

Continuation of FREN 2001 (720:011), leading to free composition. Prerequisite(s): FREN 2001 (720:011) or equivalent. Corequisite(s): FREN 2012 (720:061) or other intermediate course with consent of department head. (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. Corequisite(s): FREN 2001 (720:011). (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. Corequisite(s): FREN 2002 (720:051) or other intermediate course with consent of department head. (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)

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)

Course Descriptions

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). Prerequisite(s) or corequisite(s): LANG 4090/5090 (700:190g). (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)

FREN 6289 (720:289). Seminar — 3 hrs.

A range of critical and analytical approaches will be used to study various topics in the areas of literature and culture. May be repeated on different topic. (Variable)

Geography Courses (GEOG)

Courses

GEOG 1110 (970:040). World Geography — 3 hrs.

Reasons for and consequences of variations over surface of the earth of cultural, economic, physical, and other attributes of places. (Fall, Spring, Summer)

GEOG 1120 (970:010). Human Geography — 3 hrs.

Interaction between peoples and their environments. Spatial patterns and processes of population distribution, characteristics, and movement, human environmental impact, and economic activity. (Fall, Spring)

GEOG 1210 (970:026). Physical Geography — 3-4 hrs.

Explanation of patterns of solar energy receipt, atmospheric pressure, winds, and precipitation around the Earth. Emphasis on how solar energy, water, and crustal movements interact to determine characteristics of natural environments on Earth. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall, Spring)

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). (Variable)**GEOG 3210 (970:137). Natural Hazards and Disasters — 3 hrs.**

Examination of causes, physical processes, and geographic distribution of natural hazards. Discussion of prediction methods and social impact of such disasters. (Spring)

GEOG 3220 (970:100). Environmental Geography — 3 hrs.

Study of geographic dimension of human-environmental interaction. Historical perspectives on Earth's environmental problems, the place of humankind in ecological systems, and issues of sustainable development. Prerequisite(s): GEOG 1120 (970:010) or GEOG 1210 (970:026) or GEOG 2210 (970:028) or GEOG 1110 (970:040) or consent of instructor. (Variable)

GEOG 3230 (970:144). Natural Regions of North America — 3 hrs.

Description and explanation of various landforms of North America. Focus on structures and surface processes that form distinct physical regions of North America (e.g., Rocky Mountains), and kinds of landforms that make each region unique. (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, 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. (Odd 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. (Fall)

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. (Even Falls)

GEOG 4230/5230 (970:129g). Rivers — 3 hrs.

Runoff processes, stream discharge, sediment transport, drainage basins, properties of alluvium, channel changes, floodplains, terraces, human adjustments to floods, human impacts on rivers, and river water quality. Prerequisite(s): junior standing. (Spring)

GEOG 4240/5240 (970:155g). Reconstructing Ice Age Environments — 3 hrs.

Study of earth systems, long-term environmental change, and methods used to detect such change. Evidence of environmental changes resulting from glacial-interglacial conditions and how large scale changes in Earth climate systems affect environmental systems. Prerequisite(s): GEOG 1210 (970:026); GEOG 2210 (970:028); EARTHSCI 1300 (870:031) or consent of instructor; junior standing. (Even Falls)

GEOG 4250/5250 (970:185g). Laboratory Methods in Environmental Geography — 3 hrs.

Intended to make students proficient in the common laboratory techniques used for analyzing soil and sediments for environmental geography. Prerequisite(s): EARTHSCI 1300 (870:031) or GEOG 1210 (970:026); junior standing. (Odd Springs)

GEOG 4310/5310 (970:170g). GIS Applications: (Variable Topic) — 3 hrs.

GIS techniques to conduct spatial analysis of social and environmental topics. Focus on an individual research project and associated functional capabilities of GIS packages. Variable social/environmental focus. May be taken more than once for credit. Prerequisite(s): GEOG 3310 (970:164); junior standing. (Spring)

GEOG 4320/5320 (970:174g). Geographic Information Systems II — 3 hrs.

Technical issues in GIS and ways of implementing GIS as a decision support system for solving problems of a spatial nature in selected fields. Lecture, 2 periods; lab, 2 periods. Prerequisite(s): GEOG 3310 (970:164) or consent of instructor; junior standing. (Spring)

GEOG 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. (Fall)

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 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 Falls)

GEOG 4550 (970:180). Senior Seminar in Geography — 3 hrs.

Examination of specific topics through application of geographic principles and analysis. Discussion of readings during first half semester and student presentations during second half semester. Research paper required. Prerequisite(s): 21 hours of geography. (Spring)

GEOG 4560 (970:181). Professional Seminar — 1 hr.

Issues and opportunities involved in transition from undergraduate to professional life. Design and completion of essential documents including resume, professional portfolio, graduate program applications, and standardized examinations. Prerequisite(s): junior standing. (Fall)

GEOG 6000 (970:202). Graduate Colloquium — 1 hr.

Weekly presentations by a faculty member, visitor, or student. May be repeated for maximum of 2 hours. (Fall, 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.

Prerequisite(s): consent of department head. (Fall, Spring, Summer)

GEOG 6286 (970:286). Studies In: (Variable Topics). (Variable)

GEOG 6299 (970:299). Research.
(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, 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, 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, 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, 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)

Course Descriptions

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)

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 3048 (740:148). 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 CAP 3148 (CAP:148))(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)(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 4090/5090 (700:190g). (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)

GER 6289 (740:289). Seminar — 3 hrs.

Critical investigation into special topics emphasizing cultural and literary issues within the discipline. (Variable)

Gerontology Courses (GERO)

Courses

GERO 3161/5161. Families, Alzheimer's & 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, 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). (Same as HPE 3693 (410:193))(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. Corequisite(s): GERO 4193 (31G:193). (Variable)

Sec. 2. Long Term Care track — 1-12 hrs. May be repeated for maximum of 12 hours. Prerequisite(s) or corequisite(s): GERO 4193 (31G:193). (Variable)

GERO 4198 (31G:198). Independent Study in Gerontology. (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, 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, 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 physical education, emphasis on critical analysis of literature, and identification of viable research projects. (Fall, 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, Spring)

Course Descriptions

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)

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, 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. (Offered through Guided Independent Study only.)

HPE 3110 (410:110). Introduction to Epidemiology — 3 hrs.

Introduction to the basic principles and methods of epidemiology as a science of public health and medicine. Includes application of statistical methods in public health research. (Fall, Spring)

HPE 3112 (410:112). Human Structure and Function — 3 hrs.

Examination of skeletal, muscular, nervous, endocrine, lymphatic, circulatory, respiratory, digestive, urinary, and reproductive systems. No lab. (Fall)

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, 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. (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, Spring)

HPE 3693 (410:193). Internship Seminar — 1 hr.

Process seminar to focus on and maximize student learning from their internship experiences and aid in 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). (Same as GERO 4193 (31G:193))(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, 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 4256/5256 (410:156g). Implementing Public Health and Health Promotion Programs — 3 hrs.

Methods, techniques, and resources used in implementing public health and health promotion programs. Requires field-based work. Prerequisite(s): HPE 4353/5353 (410:153g); HPE 4376/5376 (410:176g); junior standing. (Fall, Spring)

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, Spring)

HPE 4376/5376 (410:176g). Planning Public Health/Health Promotion Programs — 3 hrs.

Social, epidemiological, behavioral, educational, and administrative factors in public health and health promotion. Prerequisite(s): junior standing. (Fall, Spring)

HPE 4378/5378 (410:178g). Health Advocacy, Social Action and Policy Development — 3 hrs.

Knowledge and skills related to community organizing, coalition building, conflict resolution, political advocacy, social action, and policy development as these processes relate to public health and health promotion. Prerequisite(s): junior standing. (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 4485/5485 (410:145g). Public Health/Health Promotion Evaluation — 3 hrs.

Principles, methods, and procedures to evaluate public health and health promotion programs. Prerequisite(s): MEASRES 4180/5180 (250:180g) or STAT 1772 (800:072) or equivalent; HPE 4353/5353 (410:153g); HPE 4376/5376 (410:176g); junior standing. (Fall, Spring)

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): MEASRES 4180/5180 (250:180g) or STAT 1772 (800:072); junior standing. (Variable)

Course Descriptions

HPE 4663/5663 (410:163g). Human Diseases — 3 hrs.

Systemic approach to study of human diseases emphasizing common physical disorders afflicting humans. Emphasis on developmental disorders, inheritance, cardiovascular disease, cancer, infectious diseases, and other common diseases. Current trends in diagnosis, treatment, and preventive measures. Prerequisite(s): HPE 3112 (410:112) or both BIOL 3101 (840:101) and BIOL 3102 (840:102); junior standing. (Fall, 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, 6, or 12 hrs.

Experience in area of student's career objectives. Offered on credit/no credit basis only. Prerequisite(s): senior standing; 2.50 cumulative GPA: consent of Division of Health Promotion and Education Coordinator of Student Field Experiences. (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.

(Fall, Spring, Summer)

HPE 6289 (410:289). Seminar.

Course may be repeated for additional credit. (Variable)

HPE 6297 (410:297). Practicum — 2-3 hrs.

(Fall, Spring, Summer)

HPE 6299 (410:299). Research.

Fee assessed separately for laboratory materials and/or binding of thesis/research paper. (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 6393 (410:293). Epidemiology — 3 hrs.

Principles and methods of epidemiology; understanding research related to the distribution, frequency, and determinants of disease in human populations; focus on chronic and infectious disease epidemiology and selected topics in related epidemiologic fields. (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, 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, 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, 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, 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, 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, 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 — 3 hrs.
(Fall, Spring, Summer)

HIST 6299 (960:299). Research — 3-6 hrs.
Thesis research and preparation. (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, 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, 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, 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, Spring)

Course Descriptions

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, 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, Spring)

HUM 3125 (680:125). India — 3 hrs.

Treatment of significant elements of Indian culture, historical development, and place in the world today. (Fall, 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, 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, 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 (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. (Variable)

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 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 3186 (240:186). Studies in Media — 1-4 hrs.
(Fall, Summer)**INSTTECH 4131/5131 (240:131g). Technology in Education — 3 hrs.**

Issues confronting contemporary education and the effective integration of technology to support learning. Investigation of the historical, social and scientific uses of technology in education from various perspectives. Prerequisite(s): junior standing. (Fall)

INSTTECH 4138/5138 (240:138g). 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. (Spring)

INSTTECH 4139/5139 (240:139g). Instructional Multimedia Planning and Production — 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 4140/5140 (240:140g). Data-Driven Decision Making in Education — 3 hrs.

Provides an introduction to using databases in an educational setting. Students study use of the data-driven decision making process in an educational setting. Identify and evaluate relevant school information/data for the improvement of teaching and learning. Prerequisite(s): INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031); junior standing. (Fall, Summer)

INSTTECH 4147/5147 (240:147g). Digital Imaging — 3 hrs.

Project-based discovery of basic principles, skills, and techniques for preparing digital images. Students explore the use of image and video editing software and integrate digital imagery, including comics and digital storytelling, into classroom or corporate learning contexts. Prerequisite(s): junior standing. (Fall, Summer)

INSTTECH 4150/5150 (240:150g). Digital Instructional Video Production — 3 hrs.

Theoretical/practical aspects of digital instructional TV production. Includes composition, sound, editing, graphics, and planning using digital video technology. Students plan and produce a real-world instructional television production. Lab as arranged. Prerequisite(s): INSTTECH 4139/5139 (240:139g); junior standing; consent of instructor. (Spring)

INSTTECH 4153/5153 (240:153g). Emerging Instructional Technologies — 3 hrs.

Integrating leading-edge research about emerging instructional technologies with hands-on experience. Study of existing 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, Summer)

INSTTECH 4160 (240:160). Instructional Technology Projects — 1-4 hrs.

Independent media 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.

Sec. 1. Computer Applications. Prerequisite(s): INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031).

Sec. 2. Digital Imaging. Prerequisite(s): INSTTECH 4147/5147 (240:147g).

Sec. 3. Learning Environments.

Sec. 4. Multi-Media Authoring. Prerequisite(s): INSTTECH 1030 (240:030).

Sec. 5. Television. Prerequisite(s): INSTTECH 4150/5150 (240:150g).

Sec. 6. Visualization.

Sec. 7. Web Development. Prerequisite(s): INSTTECH 1020 (240:020) or INSTTECH 1031 (240:031).

May be repeated for maximum of 4 hours for any section. (Fall, Spring, Summer)

INSTTECH 4170/5170 (240:170g). Web-based Instructional Development — 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. (Fall, Spring, Summer)

INSTTECH 4189 (240:189). Readings in Media — 1-3 hrs.
(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, Summer)

INSTTECH 6210 (240:210). Distance Education — 3 hrs.

Distance education and the special needs/concerns of teaching at a distance. Guidelines for effective distance education; engaging online learners; addressing learner needs, and interactive learning environments. (Spring)

Course Descriptions

INSTTECH 6230 (240:230). Communication Theory in Media — 3 hrs.

Contemporary theory of human and mass communication, learning, perception, and propaganda as they apply to message design utilizing communication media. (Spring)

INSTTECH 6232 (240:232). Selection and Integration of 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. (Variable)

INSTTECH 6235 (240:235). Performance Management and Technology — 3 hrs.

Enables students to analyze the field of instructional technology, human resource development, instructional development, and training. Focus includes the role of the professional as an instructional designer, related definitions, applicable associations, and relevant periodicals, current issues, and self-assessment on competencies. Requirements include joining a professional association related to the field and attending a local meeting of a professional association related to the field. (Fall)

INSTTECH 6237 (240:237). Coordinating Technology in an Educational Setting — 3 hrs.

Examines many roles assumed by a technology coordinator in an educational setting. Explores the processes of technology planning, management, and support in both theory and through practical applications. (Spring)

INSTTECH 6240 (240:240). 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. (Fall)

INSTTECH 6245 (240:245). Applied 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) (Spring)

INSTTECH 6260 (240:260). Advanced Instructional Technology Projects — 1-4 hrs.

Independent media 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.

Sec. 1. Computer Applications. Prerequisite(s): INSTTECH 4139/5139 (240:139g).

Sec. 2. Digital Imaging. Prerequisite(s): INSTTECH 4147/5147 (240:147g).

Sec. 3. Learning Environments.

Sec. 4. Multimedia Authoring.

Sec. 5. Television. Prerequisite(s): INSTTECH 4150/5150 (240:150g).

Sec. 6. Visualization.

Sec. 7. Web Development. Prerequisite(s): INSTTECH 4170/5170 (240:170g).

May be repeated for maximum of 4 hours for any section. (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 — 1-4 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.

(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, 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 the computer. 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 homes; 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)

INTDSGN 3065 (31I:075). Computer Applications for Interior Design — 3 hrs.

Advanced computer-aided design using AutoCAD and other 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. 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)

Course Descriptions

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 2040 (890:040). 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. Prerequisite(s): sophomore standing; consent of instructor. (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. Animal Biology
- B. Plant Biology
- C. Fungi and Lichens
- D. Aquatic Ecology
- E. Prairie Ecology
- F. Wetland Ecology
- G. Limnology
- H. Animal Behavior
- I. Insect Ecology
- J. Biology of Invertebrates
- K. Non-invasive Use of Living Organisms
- L. Leopold Education Project
- W. Project WET Prerequisite(s): junior standing. (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 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)

IA LL 3135/5135 (890:135g). Aquatic Toxicology and Wetland Dynamics in Freshwater Systems — 2-4 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)

Course Descriptions

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 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 6286 (890:286). Studies in _____ — 1-4 hrs.

Prerequisite(s): graduate standing and consent of instructor. (Variable)

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)

IA LL 6299 (890:299). Research — 1-4 hrs.

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, Spring)

LANG 4090/5090 (700:190g). The Teaching of Foreign Languages — 2-4 hrs.

Foreign language theories, terms, concepts, and demonstration of their practical application. Note: In order to apply this course toward a teaching degree, students must be admitted to the Teacher Education Program *before* taking LANG 4090/5090 (700:190g). Prerequisite(s): FREN 3001/5001 (720:101g)/GER 3001/5001 (740:101g)/SLAV 3101/5101 (770:101g)/SPAN 3001 (780:101); admission to Teacher Education Program (course must be taken 1 or 2 semesters before student teaching as part of the Level III Professional Education Sequence); junior standing. Corequisite(s): FREN 4091 (720:191)/GER 4091 (740:191)/SLAV 4091 (770:191)/SPAN 4091 (780:191). (Spring)

LANG 4093/5093 (700:193g). Technology in Foreign Language Education — 2-3 hrs.

Based on current research and methodological approaches, enables critical selection, integration, and application of modern technology in foreign language instruction. Prerequisite(s): FREN 3001/5001 (720:101g)/GER 3001/5001 (740:101g)/SLAV 3101/5101 (770:101g)/SPAN 3001 (780:101); admission to Teacher Education Program (course must be taken 1 or 2 semesters before student teaching as part of the Level III Professional Education Sequence); or consent of instructor; junior standing. Strongly recommended to be taken prior to this course: INSTTECH 3133 (240:133) *Creating Web Pages* and INSTTECH 3133 (240:133) *Mastering Microsoft Office*. Prerequisite(s) or corequisite(s): LANG 4090/5090 (700:190g); FREN 4091 (720:191)/GER 4091 (740:191)/SLAV 4091 (770:191)/SPAN 4091 (780:191); or consent of instructor. (Fall)

LANG 4198 (700:198). Independent Study.

(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. (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, 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, 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. (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, 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, 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). (Fall, 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, 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, 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, Spring)

LYHS 3157 (430:157). Introduction to Youth Development in LYHS — 3 hrs.

Historical and philosophical foundations of leisure, youth and human services. Survey of practices and values in relation to the growth of youth in leisure, youth and human service settings. Prerequisite(s): consent of instructor. (Fall)

LYHS 3183 (430:183). Professional Leadership Practicum — 2 hrs.

Practical experience in professional leadership, requiring students to develop, implement and evaluate a peer-advising program. Provides multiple opportunities for students to be significantly involved in the work of the Division of LYHS and the LYHS profession. Prerequisite(s): junior standing; consent of instructor. (Fall, 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 3991 (430:123). Foundations of Therapeutic Recreation — 3 hrs.

History, philosophy, and theories of therapeutic recreation; professionalism; factors influencing service delivery. (Spring)

LYHS 4055 (430:151). Fundraising, Grant Writing and Budgeting for LYHS — 3 hrs.

Theory and practice of budget development, fundraising, financial control, and grant writing 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, 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, 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, Summer)

Course Descriptions

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, 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 for maximum of 12 hours. 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 issues 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 12 hours. Prerequisite(s): junior standing. (Fall, 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 for maximum of 12 hours. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Summer)

LYHS 4625/5625 (430:144g). Camp Management Systems — 2-6 hrs.

Actual administration of a camp program. Includes personnel supervision, program implementation, and evaluation of camp system. Lecture and lab. May be repeated for maximum of 6 hours. Offered on credit/no credit basis only. Prerequisite(s): junior standing. (Fall, Spring)

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. (Spring)

LYHS 4778/5778 (430:171g). Rural Tourism Development — 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): LYHS 2770 (430:070) or consent of instructor; junior standing. (Fall)

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. (Fall, Spring)

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 (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 (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 (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 — 1-4 hrs.

(Fall, Spring, Summer)

LYHS 6295 (430:291). Internship — 2-6 hrs.

Practical experience in leisure, youth and human services with community agencies. 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. (Fall, Spring, Summer)

LYHS 6402 (430:260). Strategic Program Management — 3 hrs.

Examination of concepts and theories of program management in leisure, youth and human services, focusing on analysis of specific programming strategies as they relate to community organization theory using a systems approach. (Fall)

LYHS 6404 (430:254). Marketing the Youth/Human Service Agency — 3 hrs.

Marketing strategies in implementing the exchange relationship between nonprofit organizations and their constituents. (Variable)

LYHS 6406 (430:253). Fundraising and Grant Writing 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, 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)

Course Descriptions

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. (Fall, Even Summers, and Spring)

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. (Fall, Odd Summers, and Spring)

LITED 3140 (230:140). Assessment and Evaluation of Literacy — 3 hrs.

Introductory course in evaluating the reading and language abilities of individual children through 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 majors and minors. (Fall, Spring, Summer)

LITED 3147 (230:147). Remedial Reading — 3 hrs.

Selection, implementation, and interpretation of a variety of reading and language arts assessment procedures and the development of effective individualized instructional programs. 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); LITED 3140 (230:140); 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 majors and minors. (Fall, Spring, Summer)

LITED 3192 (230:192). Experience in Reading: Tutoring — 3 hrs.

Supervised tutoring in the University Reading Center or in a public school reading center. Prerequisite(s): LITED 3140 (230:140); 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. Corequisite(s): LITED 3147 (230:147). (Fall, Spring, Summer)

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, Spring)

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, Spring)

LITED 4193/5193 (230:193g). Experience in Reading: 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. Survey of 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 6247 (230:247). Remedial Reading — 3 hrs.

Selection, implementation, and interpretation of a variety of literacy assessment procedures and the development of effective individualized instructional programs. Prerequisite(s): LITED 3140 (230:140) or LITED 6238 (230:238) or written consent of instructor. Corequisite(s): LITED 6292 (230:292). (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 6292 (230:292). Experience in Reading: Tutoring — 3 hrs.

Supervised tutoring in the field, involving assessment procedures and literacy instruction. Prerequisite(s): LITED 3140 (230:140) or LITED 6238 (230:238) or written consent of instructor. Corequisite(s): LITED 6247 (230:247). (Variable)

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. (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 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 admittance to Reading Recovery Teacher Leader Training and successful completion of LITED 7304 (230:304). 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 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 admittance to Reading Recovery Teacher Leader Training or a doctoral program in Elementary Education and successful completion of LITED 7307 (230:307). 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)

Course Descriptions

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 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 — 2-4 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, 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, 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): EDPSYCH 2017 (200:017); EDPSYCH 2030 (200:030); EDPSYCH 3128 (200:128); 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 Systems — 3 hrs.

Study of decision support systems and 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)

MGMT 3155. Human Resource Management — 3 hrs.

Provides an overview of the processes and practices involved in recruiting and managing critical human resources. This course 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, 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. Management
2. Law
3. Business Teaching
4. International Business
5. Management Information Systems

May be repeated for maximum of 6 hours. Prerequisite(s): junior standing; consent of instructor. (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). (Variable)

Course Descriptions

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). Seminar in International Business — 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, 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): EDPSYCH 2017 (200:017); EDPSYCH 2030 (200:030); EDPSYCH 3128 (200:128); 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. (Fall, Spring)

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, 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). 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. Prerequisite(s): junior standing. (Same as PHIL 3540/5540 (650:174g))(Variable)

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 6297 (150:297). Practicum — 2 hrs.

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.

Survey course dealing with the role of marketing in society, customer determination and selection, product management, channels of distribution, pricing concepts, and promotional activity within an economic and business environment. Prerequisite(s): ECON 1031 (920:024) or ECON 1041 (920:053). (Fall, Spring, Summer)

MKTG 3113/5113 (130:106g). Consumer Behavior — 3 hrs.

Recent findings of psychologists, sociologists, anthropologists, and marketers in relationship to internal and external influences on buyer behavior and marketing-related 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 carrying out the research necessary for its proper solution. 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, Spring)

MKTG 3143 (130:150). Advertising and Promotion — 3 hrs.

Decision making in advertising, consumer promotion, sales promotion, and public relations. Includes market analysis, establishing promotion objectives, budgeting, media/promotion mix selection, communication techniques, and evaluation of effectiveness. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall, Spring)

MKTG 3146 (130:160). Digital Advertising — 3 hrs.

Study of digital marketing utilizing interactive microsites, SEO/SEM, display ads, email marketing, automation, online video, social media, blogs, apps, mobile marketing, and online analytic tools. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall, Spring)

MKTG 3153 (130:153). Personal Selling — 3 hrs.

Study of trust-based sales process of identifying buyer needs; problem-solving systems selling approach; and enhancement of long-term customer relationships. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall, Spring)

MKTG 3154. Sales Management — 3 hrs.

Study of sales management functions; field management tools and procedures; organizing, staffing, training a sales force; directing sales force operations; sales planning; evaluation of sales performance. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall, Spring)

MKTG 3156 (130:178). Services Marketing — 3 hrs.

Develops an understanding of service as a product or component of a product. Provides an opportunity to gain an appreciation for the unique challenges inherent in marketing and managing services, and service products. Topics include service design and delivery, service quality and standards, and roles played by both service provider and customer. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall, Spring)

MKTG 3163 (130:161). Distribution and Logistics — 3 hrs.

Study of behavioral dimensions of channel relations, and management of the global physical movement of products and related information by channel members and third party facilitators to provide desired customer service levels. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall)

Course Descriptions

MKTG 3166 (130:166). Retail Management — 3 hrs.

Study of tools and decisions in managing or owning a retail business; strategic planning, audit, trade-area analysis, location planning, franchising, pricing, computerization, operations and merchandise management. 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.

Study of the "Product" marketing mix element, with focus on 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.

Marketing practices and trends in businesses serving foreign markets. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall, Spring)

MKTG 3178/5178. Global Trade Practices — 3 hrs.

In-depth study of strategic and operational planning, development, implementation, and assessment of global marketing strategies of a company; preparation for Certified Global Business Professional Examination. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); junior standing. (Fall, 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). New Venture Development and Management — 3 hrs.

Procedures for organizing, financing, and implementing a new venture; managing start-up and growth phases; experiential learning project. No credit if credit previously earned in 130:173 Venture Strategy. 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. (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 price as one of the major components of marketing, from economic, psychological, and sociological perspectives. Prerequisite(s): MKTG 2110 (130:101); ECON 1031 (920:024) or ECON 1041 (920:053); 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, 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 approach to marketing from managerial viewpoint using economic, quantitative, and behavioral concepts in analyzing and developing framework for decision making and implementing a marketing program. Prerequisite(s): consent of MBA Director. (MBA Module II - begins mid-November and ends mid-February)

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 0100 (800:004). 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, 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, 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, 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, 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 1201 (800:031). Mathematical Reasoning for Teaching I — 3 hrs.

Mathematics as problem solving, communication, connections, and reasoning. Includes rational numbers, data and statistical reasoning, probabilistic reasoning. Activities investigating these topics connect to elementary school mathematics. Primarily for education majors. (Fall, Spring)

MATH 1210 (800:037). Technology for Elementary School Mathematics Teachers — 3 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, 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, 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.

The derivatives and integrals of elementary functions and their applications. Prerequisite(s): MATH 1140 (800:046), or MATH 1110 (800:043) and MATH 1130 (800:044), or equivalent. (Fall, Spring)

MATH 1421 (800:061). Calculus II — 4 hrs.

Continuation of MATH 1420 (800:060). Prerequisite(s): C- or better in MATH 1420 (800:060). (Fall, 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, Spring)

MATH 2422 (800:062). Calculus III — 4 hrs.

Continuation of MATH 1421 (800:061). Prerequisite(s): C- or better in MATH 1421 (800:061). (Fall, 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, Spring)

MATH 3202 (800:131). Mathematical Reasoning for Teaching II — 3 hrs.

Mathematics as problem solving, communication, connections, and reasoning. Includes geometry, measurement, proportional reasoning, percent. Activities connected to elementary school mathematics. Designed for elementary education majors. Prerequisite(s): MATH 1201 (800:031); UNI and cumulative GPA of 2.50 or better; junior standing or consent of department. (Fall, Spring)

Course Descriptions

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 3202 (800:131); UNI and cumulative GPA of 2.50 or better; full admission to teacher education is required. (Fall, Spring, Summer)

MATH 3211 (800:111g). Introduction to Algebraic Thinking for Elementary Teachers — 4 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 1201 (800:031). (Fall, 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 1201 (800:031); MATH 1210 (800:037); MATH 3202 (800:131); junior standing. (Fall, 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 1201 (800:031); MATH 1210 (800:037); MATH 3202 (800:131); junior standing. (Fall, Spring)

MATH 3214/5214 (800:114g). Problem Solving in Mathematics for Elementary Teachers — 4 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, 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, Spring)

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): EDPSYCH 3128 (200:128); 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.

Teaching strategies for grades 5-12; roles of content and methods; participation in a secondary teaching situation. Prerequisite(s): EDPSYCH 3128 (200:128); 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 2017 (200:017); EDPSYCH 2030 (200:030); EDPSYCH 3128 (200:128); MATH 3303 (800:188). (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, 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 1420 (800:060) or equivalent; 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. Emphasis on applications appropriate for secondary school probability/statistics courses. No credit with credit in STAT 3770/5770 (800:172g). Prerequisite(s): MATH 1421 (800:061). (Same as STAT 3751)(Fall and Even Springs)

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, 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, Spring)

MATH 4198 (800:198). Independent Study.
(Variable)

MATH 4420/5420 (800:140g). Intermediate Mathematical Analysis 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); junior standing. (Even Falls)

MATH 4421/5421 (800:141g). Intermediate Mathematical Analysis II — 3 hrs.

Riemann integration; sequences and series of functions; introduction to Lebesgue integration. Prerequisite(s): MATH 4420/5420 (800:140g); junior standing. (Odd Springs)

MATH 4460/5460 (800:156g). Introduction to Complex Analysis — 3 hrs.

Differentiation and integration of functions of a single complex variable; Taylor and Laurent expansions; conformal mapping. Prerequisite(s): MATH 2422 (800:062); junior standing. (Even Springs)

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 1421 (800:061) or equivalent; MATH 2500 (800:076); junior standing. (Fall, 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 and Spring)

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, 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, Spring)

Course Descriptions

MATH 6201 (800:220). New Developments in Mathematics Education — 3 hrs.

Introduce current recommendations and policies regarding mathematics goals, content, frameworks, instructional strategies, and curricula. Investigate 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. 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.

Examine 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.
(Variable)

MATH 6370 (800:270). Applied Linear Statistical Methods for Secondary Mathematics Teachers — 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, Spring)

MATH 6371 (800:271). Probability and Statistics for Secondary Mathematics Teachers — 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 math 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, 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 Poincaré'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)

Course Descriptions

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, 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, 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, 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, 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): EDPSYCH 2017 (200:017); EDPSYCH 2030 (200:030). Prerequisite(s) or corequisite(s): EDPSYCH 3128 (200:128); EDPSYCH 3148 (200:148). (Fall, Spring, Summer)

MEASRES 4180/5180 (250:180g). Statistical Methods in Education — 3 hrs.

Introduction to statistical methods. Includes graphing techniques, measures of central tendency and variability, correlation, t-tests, one-way ANOVA, and chi-square. Prerequisite(s): junior standing. (Spring)

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 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. Prerequisite(s): MEASRES 4180/5180 (250:180g) or the equivalent. (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. (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. (Spring)

MEASRES 6284 (250:284). Psychosocial Assessment — 4 hrs.

Tests of academic and socio-emotional development of individual students, including interpretation and dissemination of results; ethical considerations and measurement principles. (Fall)

MEASRES 6285 (250:285). Readings.

(Variable)

MEASRES 6289 (250:289). Seminar in Evaluation and Research.

(Variable)

MEASRES 6299 (250:299). Research.

(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): MEASRES 4180/5180 (250:180g); MEASRES 6205 (250:205); MEASRES 6281 (250:281); 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): MEASRES 4180/5180 (250:180g); MEASRES 6205 (250:205); MEASRES 6281 (250:281); 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 7305 (190:305); 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 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, 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)

Course Descriptions

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 Lewis, Washington, 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. (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, Spring)

MUS APPL 1300 (540:030). Flute. (Fall, Spring)

MUS APPL 1310 (540:031). Oboe.
(Fall, Spring)

MUS APPL 1320 (540:032). Clarinet.
(Fall, Spring)

MUS APPL 1340 (540:034). Saxophone.
(Fall, Spring)

MUS APPL 1350 (540:035). French Horn.
(Fall, Spring)

MUS APPL 1360 (540:036). Cornet-Trumpet.
(Fall, Spring)

MUS APPL 1370 (540:037). Trombone.
(Fall, Spring)

MUS APPL 1380 (540:038). Euphonium.
(Fall, Spring)

MUS APPL 1390 (540:039). Tuba.
(Fall, Spring)

MUS APPL 1400 (540:040). Percussion.
(Fall, Spring)

MUS APPL 1410 (540:041). Violin.
(Fall, Spring)

MUS APPL 1420 (540:042). Viola.
(Fall, Spring)

MUS APPL 1430 (540:043). Cello.
(Fall, Spring)

MUS APPL 1440 (540:044). String Bass.
(Fall, Spring)

MUS APPL 1450 (540:045). Harp.
(Fall, Spring)

MUS APPL 1460 (540:046). Piano.
(Fall, Spring)

MUS APPL 1467 (540:P46). Piano Proficiency.
no credit.
Required of all undergraduate majors. (Fall, Spring)

MUS APPL 1470 (540:047). Group Piano.
(Fall, Spring)

MUS APPL 1480 (540:048). Organ.
(Fall, Spring)

MUS APPL 1490 (540:049). Voice.
(Fall, Spring)

MUS APPL 1500 (540:050). Harpsichord.
(Fall, Spring)

MUS APPL 1510 (540:051). Group Voice.
(Variable)

MUS APPL 1520 (540:052). Guitar.
(Fall, Spring)

MUS APPL 1530 (540:053). Jazz Guitar.
(Fall, Spring)

MUS APPL 1540 (540:054). Composition.
(Fall, Spring)

MUS APPL 1550 (540:055). Jazz Improvisation.
(Fall, Spring)

MUS APPL 1560 (540:056). Jazz Bass.
(Fall, Spring)

MUS APPL 1570 (540:057). Jazz Piano.
(Fall, Spring)

MUS APPL 1580 (540:058). Jazz Saxophone.
(Fall, 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, 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, Spring)

MUS APPL 3290/5290 (540:129g). Bassoon.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3300/5300 (540:130g). Flute.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3310/5310 (540:131g). Oboe.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3320/5320 (540:132g). Clarinet.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3340/5340 (540:134g). Saxophone.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3350/5350 (540:135g). French Horn.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3360/5360 (540:136g). Cornet-Trumpet.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3370/5370 (540:137g). Trombone.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3380/5380 (540:138g). Euphonium.
Prerequisite(s): junior standing. (Fall, Spring)

Course Descriptions

MUS APPL 3390/5390 (540:139g). Tuba.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3400/5400 (540:140g). Percussion.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3410/5410 (540:141g). Violin.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3420/5420 (540:142g). Viola.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3430/5430 (540:143g). Cello.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3440/5440 (540:144g). String Bass.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3450/5450 (540:145g). Harp.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3460/5460 (540:146g). Piano.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3470/5470 (540:147g). Group Piano.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3480/5480 (540:148g). Organ.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3490/5490 (540:149g). Voice.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3500/5500 (540:150g). Harpsichord.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3510/5510 (540:151g). Group Voice.
Prerequisite(s): junior standing. (Variable)

MUS APPL 3520/5520 (540:152g). Guitar.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3530/5530 (540:153g). Jazz Guitar.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3540/5540 (540:154g). Composition.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3550/5550 (540:155g). Jazz Improvisation.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3560/5560 (540:156g). Jazz Bass.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3570/5570 (540:157g). Jazz Piano.
Prerequisite(s): junior standing. (Fall, Spring)

MUS APPL 3580/5580 (540:158g). Jazz Saxophone.
Prerequisite(s): junior standing. (Fall, Spring)

**MUS APPL 3780 (540:178). Junior Recital.
no credit.**
Required of all juniors in the Performance major. (Fall, 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, 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 6290 (540:229). Bassoon.
(Fall, Spring)

MUS APPL 6300 (540:230). Flute.
(Fall, Spring)

MUS APPL 6310 (540:231). Oboe.
(Fall, Spring)

MUS APPL 6320 (540:232). Clarinet.
(Fall, Spring)

MUS APPL 6340 (540:234). Saxophone.
(Fall, Spring)

MUS APPL 6350 (540:235). French Horn.
(Fall, Spring)

MUS APPL 6360 (540:236). Cornet-Trumpet.
(Fall, Spring)

MUS APPL 6370 (540:237). Trombone.
(Fall, Spring)

MUS APPL 6380 (540:238). Euphonium.
(Fall, Spring)

MUS APPL 6390 (540:239). Tuba.
(Fall, Spring)

MUS APPL 6400 (540:240). Percussion.
(Fall, Spring)

MUS APPL 6410 (540:241). Violin.
(Fall, Spring)

MUS APPL 6420 (540:242). Viola.
(Fall, Spring)

MUS APPL 6430 (540:243). Cello.
(Fall, Spring)

MUS APPL 6440 (540:244). String Bass.
(Fall, Spring)

MUS APPL 6450 (540:245). Harp.
(Fall, Spring)

MUS APPL 6460 (540:246). Piano.
(Fall, Spring)

MUS APPL 6470 (540:247). Group Piano.
(Fall, Spring)

MUS APPL 6480 (540:248). Organ.
(Fall, Spring)

MUS APPL 6490 (540:249). Voice.
(Fall, Spring)

MUS APPL 6500 (540:250). Harpsichord.
(Fall, Spring)

MUS APPL 6510 (540:251). Group Voice.
(Fall, Spring)

MUS APPL 6520 (540:252). Guitar.
(Fall, Spring)

MUS APPL 6530 (540:253). Jazz Guitar.
(Fall, Spring)

MUS APPL 6540 (540:254). Composition.
(Fall, Spring)

MUS APPL 6550 (540:255). Jazz Improvisation.
(Fall, Spring)

MUS APPL 6560 (540:256). Jazz Bass.
(Fall, Spring)

MUS APPL 6570 (540:257). Jazz Piano.
(Fall, Spring)

MUS APPL 6580 (540:258). Jazz Saxophone.
(Fall, 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, 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, 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, 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)

Course Descriptions

MUS ED 3450/5450 (570:145g). Developments and Trends in Music Education — 3 hrs.

Evolving issues important to music educators. May be repeated for credit. Prerequisite(s): MUS ED 1500 (570:050); junior standing. (Variable)

MUS ED 3480/5480 (570:148g). Piano Pedagogy: Elementary — 2 hrs.

Methods and materials related to the teaching of the elementary piano student, including psychological and technical development. Addresses business aspects. Observations of teaching required. Prerequisite(s): junior standing. (Variable)

MUS ED 3495/5495. Music Learning and Motivation — 2 hrs.

Exploration of theories and concepts in music learning and pedagogy, including achievement goals, motivation, implementation and assessment. Students will gain knowledge of how to influence students' motivation and intervention strategies to create meaningful lessons. Prerequisite(s): junior standing. (Variable)

MUS ED 3630 (570:163). Instrumental Methods III: School Administration — 1 hr.

Provides students with the necessary information to help them work successfully with administrators, other teachers, community members, parents, and students in the K-12 school setting. Prerequisite(s): MUS ED 1500 (570:050) with grade of C or higher; junior standing. (Fall)

MUS ED 3640 (570:164). Instrumental Methods IV: Jazz Band — 1 hr.

Jazz band methods and pedagogy for lessons and ensembles in the K-12 setting. Emphasis on rehearsal techniques and materials. Prerequisite(s): MUS ED 1500 (570:050) with grade of C or higher; junior standing. (Spring)

MUS ED 3650 (570:165). Choral Methods and Materials — 3 hrs.

Organization and development of public school choral organizations. Emphasis on rehearsal techniques, vocal production and blend, and materials suitable for choral ensembles. Evaluation techniques appropriate to school music setting. Prerequisite(s): MUS ED 1500 (570:050) with grade of C or higher; junior standing or consent of instructor. (Variable)

MUS ED 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. (Variable)

Readings in Music Education — 1-3 hrs. Readings in music education not normally covered in other courses. May be repeated for maximum of 3 hours. Prerequisite: consent of instructor. (Variable)

MUS ED 6299 (570:299). Research.

(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)

Courses

MUS ENS 1100 (530:010). Chorus.

(Concert Chorale, Chamber Singers, UNI Singers, Varsity Men's Glee Club, Women's Chorus, Cantorei) (Fall, 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 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, Spring)

MUS ENS 1160 (530:016). Jazz Band.

(Fall, Spring)

MUS ENS 1170 (530:017). Orchestra.

(Fall, Spring)

MUS ENS 1180 (530:018). Marching Band.

(Fall)

MUS ENS 1190 (530:019). Opera.

Vocal performance ensemble specializing in opera literature. (Fall, 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, 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, Spring)

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.

MUS ENS 3160/5160 (530:116g). Jazz Band.

Prerequisite(s): junior standing. (Fall, Spring)

MUS ENS 3170/5170 (530:117g). Orchestra.

Prerequisite(s): junior standing. (Fall, 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, 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 MUS HIST 1010 (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). (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)

Course Descriptions

MUS HIST 3140/5140 (590:114g). Music History—Romantic — 3 hrs.

Prerequisite(s): MUS HIST 1030 (590:003); junior standing. (Variable)

MUS HIST 3150/5150 (590:115g). Music History—20th Century — 3 hrs.

Prerequisite(s): MUS HIST 1030 (590:003); junior standing. (Variable)

MUS HIST 3300/5300 (590:130g). History of Opera — 3 hrs.

Development of opera from its inception (ca. 1600) to present. Prerequisite(s): junior standing. (Variable)

MUS HIST 3510/5510 (590:151g). Music of World Cultures — 3 hrs.

Study of non-Western music: Africa, Islam, India, Indo-China, Indonesia, China, and Japan, and role of music in these cultures. Prerequisite(s): junior standing. (Variable)

MUS HIST 3600/5600 (590:160g). Jazz History and Styles — 3 hrs.

Evolution of jazz styles and their relationship to social, economic, and political moods of the period; in-depth and detailed study of history and development of jazz in America. Prerequisite(s): junior standing. (Variable)

MUS HIST 3800/5800 (590:180g). Music History Survey for Graduates — 1-2 hrs.

Review of various style periods, media, and forms in music history of our culture. Required of all graduate students who do not demonstrate adequate proficiency as a result of the Graduate Music History Diagnostic Examination. May be repeated for credit. Does not count toward minimum degree requirements. Prerequisite(s): junior standing. (Variable)

MUS HIST 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 and Odd Summers)

MUS HIST 6285 (590:285). Readings in Music History — 1-3 hrs.

Prerequisite(s): consent of Graduate Coordinator in Music. (Variable)

MUS HIST 6289 (590:289). Seminar in Music History — 3 hrs.

Musicological research into the various areas of music. (Variable)

MUS HIST 6299 (590:299). Research.

(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)

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 6299 (595:299). Research. (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, 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 or consent of instructor. 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. (Fall, Spring)

MUS TECH 1520 (560:052). Instrumental Jazz Improvisation — 1 hr.

Elements of improvisation intended as an aid to the experienced instrumentalist and as a tool for the potential instructor. Areas available: Theory, Beginning, and Intermediate. Each area may be taken once for credit. (For freshmen/sophomores.) Prerequisite(s): consent of instructor. (Variable)

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, 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; 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; 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)

Course Descriptions

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, 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. (Fall, Spring)

MUS TECH 3520/5520 (560:152g). Instrumental Jazz Improvisation — 1 hr.

Elements of improvisation intended as an aid to the experienced instrumentalist and as a tool for the potential instructor. Areas available: theory (section 1), beginning (section 2), and intermediate (section 3). Each section may be taken once for credit. (For juniors/seniors/graduates). Prerequisite(s): junior standing; consent of instructor. (Variable)

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 problems in vocal literature, including diction, interpretation, and presentation. Required each semester in residence for all graduate voice students. Prerequisite(s): admission to M.M. in Voice or consent of instructor. (Fall, Spring)

MUS TECH 6299 (560:299). Research. (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 3520/5520 (560:152g); 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 3520/5520 (560:152g); 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. 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). (Even Summers and 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 and Odd Summers)

MUS THEO 6299 (580:299). Research.

(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 19th- and 20th-century 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. Prerequisite(s): junior standing. (Variable)

Course Descriptions

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) (NUTR 1030 (310:030)) if credit previously earned in 310:032. (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 questions concerning nature of self, reality, meaning, knowledge, truth, faith, value, and obligation. (Fall, Spring)

PHIL 1030 (650:045). Elementary Logic — 3 hrs.

Methods, principles, and rules of reasoning with emphasis on their practical uses in effective thinking, scientific inquiry, and verbal communication. (Fall, 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 2010 (650:050). 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 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 3080/5080 (650:189g). 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, Spring)

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))(Fall, Spring)

PHIL 3120 (650:143). 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 and sophomore standing, or consent of instructor. (Even Falls)

PHIL 3130 (650:119). 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 3210 (650:100). History of Philosophy: Ancient — 3 hrs.

History of philosophy from the Pre-Socratics to late antiquity, with emphasis on Plato and Aristotle. Prerequisite(s): one philosophy course and sophomore standing, or consent of instructor. (Odd Falls)

PHIL 3220 (650:101). History of Philosophy: Medieval — 3 hrs.
History of philosophy from late Roman times through Middle Ages, with emphasis on Augustine and Thomas Aquinas. Prerequisite(s): one philosophy course and sophomore standing, or consent of instructor. (Even Springs)

PHIL 3230 (650:103). History of Philosophy: Renaissance through Enlightenment — 3 hrs.
History of philosophy from Renaissance through Hume, with emphasis on continental rationalism and British empiricism. Prerequisite(s): one philosophy course and sophomore standing, or consent of instructor. (Even Falls)

PHIL 3240 (650:104). History of Philosophy: Modern — 3 hrs.
History of philosophy from Kant to present; emphasis on idealism, romanticism, materialism, positivism, phenomenology, existentialism. Prerequisite(s): one philosophy course and sophomore standing, or consent of instructor. (Odd Springs)

PHIL 3310/5310 (650:153g). The Human Person — 3 hrs.
Philosophical study of human nature and mind informed by biology and modern sciences of mind. Topics include relation of mind to body, consciousness, free will, the implications of Darwinism, and the nature of emotions. Prerequisite(s): junior standing. (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 3500 (650:142). Ethics — 3 hrs.
Study of the major school 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 and sophomore standing, or consent of instructor. (Fall, Spring)

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))(Fall, Spring)

PHIL 3530/5530 (650:175g). 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. Prerequisite(s): junior standing. (Same as RELS 3520/5520 (640:175g))(Variable)

PHIL 3540/5540 (650:174g). 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. Prerequisite(s): junior standing. (Same as RELS 3540/5540 (640:174g))(Fall, Spring)

PHIL 3550 (650:197). 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 3550 (640:197))(Variable)

PHIL 4010/5010 (650:150g). Knowledge and Reality — 3 hrs.
Study of variety of knowledge-claims about the world and of the structures of reality implied. Prerequisite(s): junior standing. (Fall)

PHIL 4110/5110 (650:113g). 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. Prerequisite(s): junior standing. (Same as RELS 4110/5110 (640:113g))(Variable)

PHIL 4186/5186 (650:186g). Studies in Philosophy — 3 hrs.
Study of philosophical thinker or problem listed in Schedule of Classes. Prerequisite(s): junior standing. (Fall, Spring)

PHIL 4310/5310 (650:105g). 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. Prerequisite(s): junior standing. (Variable)

PHIL 4320/5320 (650:152g). Existentialism — 3 hrs.
The unique contribution of existentialism to philosophy is its sustained focus on everyday life: the contradictions of human existence, the human body, the existence of others, and human freedom. Prerequisite(s): junior standing. (Same as RELS 4320/5320 (640:152g))(Odd Falls)

PHIL 4330/5330 (650:160g). 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. Prerequisite(s): junior standing. (Variable)

PHIL 4410/5410 (650:164g). Nietzsche, Nihilism, and the "Overcoming" of Western Metaphysics — 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. Prerequisite(s): junior standing. (Variable)

PHIL 4420/5420 (650:166g). 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. Prerequisite(s): junior standing. (Variable)

Course Descriptions

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. (Variable)

PHIL 6510 (650:245). Ethics in Public Policy — 2 hrs.

Attention to major ethical issues facing practitioners of public policy analysis through: a study of ethical principles and procedures of analysis; application of these methods to crucial questions of professional conduct and responsibility; and their application to selected policy problems of timely interest. Prerequisite(s): enrollment in the Master of Public Policy Degree Program or consent of instructor. (Fall)

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, Spring)

PEMES 2013 (420:013). Fundamental Physical Activities — Dance — 1-2 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, Spring)

PEMES 2016 (420:016). Lifetime Activities II — 1 hr.

Primarily for majors and minors in Physical Education. (Fall, Spring)

PEMES 2017 (420:017). Fundamental Physical Activities — Outdoor/Adventure Pursuits — 1 hr.

Primarily for majors and minors in Physical Education. (Fall, 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): EDPSYCH 2017 (200:017); EDPSYCH 2030 (200:030). (Fall, 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) (PEMES 2050 (420:050)) and PEMES 3151 (420:151) (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, Spring)

PEMES 2034 (420:034). Survey of Dance History — 3 hrs.

Survey of dance history from primitive times to the present with emphasis on the relationship of dance and dance forms to the societies in which they developed and other art forms and the contributions of leading dance personalities. (Variable)

PEMES 2036 (420:036). Dance Performance — 1-2 hrs.

Credit for performance in approved dance choreography. May be repeated for credit. Maximum of 2 hours may be used toward the Dance minor. Prerequisite(s): consent of instructor. (Variable)

PEMES 2037 (420:037). Applied Choreography — 1-2 hrs.

Credit for approved choreography for dance performances and productions. May be repeated for credit. Maximum of 2 hours may be used toward the Dance minor. Prerequisite(s): consent of instructor. (Variable)

PEMES 2045 (420:045). Physical Education for the Elementary Grades — 3 hrs.

Teaching methods and experience in activities; 3 periods. No credit for students with credit in HPELS 2045 (440:045) (HPELS 2045 (440:045)). Prerequisite(s): EDPSYCH 2030 (200:030); sophomore standing. (Fall, 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, 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, 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, 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, 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, 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, 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, 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, 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 2020 (42T:028); 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, 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, 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 2020 (42T:028). (Fall, Spring)

Course Descriptions

PEMES 3162 (420:162). Foundations of Human Movement Study — 2 hrs.

History and philosophy of movement activities and professions appropriate for teaching and exercise science students. Emphasis on writing and critical thinking. (Fall, 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, Spring)

PEMES 3173 (420:173). Teaching Methods Block. 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, 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, 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): PEMES 3162 (420:162); admission to teacher education program. (Fall, 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, 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. Prerequisite(s): consent of instructor. (Fall, 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, Spring)

PEMES 3197 (420:197). Internship in Physical Education — 3-6 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): EDPSYCH 3128 (200:128). (Fall, 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. Prerequisite(s): consent of instructor. (Fall, Spring)

PEMES 4198 (420:198). Independent Study.

Primarily for majors in physical education. (Fall, Spring)

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, 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.

(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 to a maximum of 12 credits. (Fall, 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)

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 4 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. (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, Spring)

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, 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): high school algebra and trigonometry or equivalent. (Fall, 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, 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)

Course Descriptions

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.

An 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, 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, 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, Spring)

PHYSICS 3700 (880:187). Physics Seminar — 1 hr.

Participation in at least 12 physics colloquia; oral report on research topic or internship. Prerequisite(s): junior standing. (Fall, Spring)

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, Spring)

PHYSICS 4050/5050 (880:140g). Holography, Imaging, and Optical Measurement — 3 hrs.

Holography is used as vehicle for learning modern optical techniques and for understanding basic wave interference properties of light. Topics include 3-D image formation; mirror, lens, and hologram ray tracing; holographic gratings and mirrors; holographic interferometry and color holography. 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 4100/5100 (880:137g). Modern Physics — 4 hrs.

Special relativity; quantum phenomena; wave-particle duality; atomic and nuclear structure; properties of solids, interaction of radiation with matter; and elementary particles. Prerequisite(s): PHYSICS 1702 (880:131); junior standing. (Spring)

PHYSICS 4110/5110 (880:138g). Modern Physics Laboratory — 2 hrs.

Experiments on interactions of photons and electrons; mass and charge of electrons; atomic spectroscopy; nuclear detection and spectroscopy; spin resonance; and properties of solids. Requires detailed lab reports, including error analysis. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): PHYSICS 4100/5100 (880:137g). (Spring)

PHYSICS 4200/5200 (880:144g). 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); CHEM 1120 (860:048); 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))(Spring)

PHYSICS 4300/5300 (880:152g). Introduction to Electronics — 4 hrs.

Basic DC and AC circuits; electrical measurements; power supplies; transistor circuits; operational amplifier circuits. Discussion, 2 periods; lab, 4 periods. Prerequisite(s): PHYSICS 1512 (880:056) or PHYSICS 1702 (880:131); junior standing or consent of department head. (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. (Spring)

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, 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); junior standing. Corequisite(s): MATH 2422 (800:062); PHYSICS 2700. (Odd Falls)

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 1420 (800:060); MATH 1421 (800:061); MATH 2422 (800:062); PHYSICS 1701 (880:130); PHYSICS 1702 (880:131); PHYSICS 2300 (880:132); junior standing. Corequisite(s): PHYSICS 2700. (Odd Springs)

PHYSICS 4750/5750 (880:174g). Physics of Modern Materials — 3 hrs.

Structural, thermal, and electronic properties of materials; applications to modern devices. Discussion, 2 periods; lab, 2 periods. Prerequisite(s): PHYSICS 4100/5100 (880:137g); PHYSICS 4110/5110 (880:138g); junior standing. (Odd Falls)

PHYSICS 4800/5800 (880:172g). Quantum Mechanics — 4 hrs.

Solution of Schrodinger equation for several systems: spin and angular momentum; identical particles; perturbation theory; WKB approximation; and scattering. Prerequisite(s): MATH 3425/5425 (800:149g); PHYSICS 4100/5100 (880:137g); PHYSICS 4600/5600 (880:166g) or consent of instructor; 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. Prerequisite(s): MATH 3425/5425 (800:149g); PHYSICS 2300 (880:132); PHYSICS 4100/5100 (880:137g); junior standing. (Odd Springs)

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 application (e.g., to the classical ideal gas). Prerequisite(s): MATH 2422 (800:062); PHYSICS 2300 (880:132); PHYSICS 4100/5100 (880:137g); junior standing. (Even Falls)

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 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.

(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). (Spring)

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, 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)

Course Descriptions

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, 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, 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 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 3146 (942:146) or POL AMER 3147 (942:147). (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 3147 (942:147). 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. (Fall)

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); junior standing. (Variable)

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). (Spring)

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, 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, 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). Western European Democracies — 3 hrs.

Examination of the development of West 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 East European Politics — 3 hrs.

Analysis of regimes and regime changes in Russia and Eastern Europe. Examination of institutions, contemporary issues, and processes 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. In this course students will explore various approaches to the scientific study of politics. (Fall, 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)

Course Descriptions

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, 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 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)

POL GEN 6285 (940:285). Individual Readings — 1-3 hrs.

May be repeated. (Fall, Spring, Summer)

POL GEN 6299 (940:299). Research.

(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, 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 3129 (943:129). International Diplomacy and Negotiation — 3 hrs.

Examination of causes of mistrust between countries, the use of coercive diplomacy to advance national interests and international negotiation. (Variable)

POL INTL 3143 (943:143). International Law — 3 hrs.

Survey of international law from its development to contemporary issues. (Variable)

POL INTL 3145 (943:145). International Organizations — 3 hrs.

Description of international governmental and nongovernmental organizations, and analysis of their roles in international politics. (Variable)

POL INTL 4119/5119 (943:119g). Politics of the Global Economy — 3 hrs.

Analysis of how the pursuit of power and the pursuit of wealth interact in international relations. Emphasis on trade policy, monetary and financial policies, economic development, and the politics of globalization since 1945. Prerequisite(s): POL INTL 1024 (943:024); junior standing. (Variable)

POL INTL 4125/5125 (943:125g). North-South Relations — 3 hrs.

Analysis of political, social, and economic disparities and mutual interdependence between developing and developed nations. Examination of need for a new international economic order, and issues of energy, food, raw materials, population, and transfer of technology. Prerequisite(s): junior standing. (Variable)

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, 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, 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)

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, 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 Prerequisite(s) or corequisite(s): LANG 4090/5090 (700:190g) (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, 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, 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 6222 (170:222). Communication and Leadership in Postsecondary Education — 3 hrs.

Broad overview of communication, counseling and advising theory and their application to leadership in the postsecondary setting. Emphasis on developing individual communication skills for the various professional roles found in postsecondary education. Prerequisite(s): graduate standing. (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, 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, Summer)

POSTSEC 6260 (170:260). History and Philosophy of 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)

Course Descriptions

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 6285 (170:285). Readings in Postsecondary Education.

(Variable)

POSTSEC 6289 (170:289). Seminar in Postsecondary Education.

(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 maximum of 6 hours. (Variable)

POSTSEC 6291 (170:291). Internship in Postsecondary Education — 3-6 hrs.

Supervised substantive experience in a postsecondary setting. (Variable)

POSTSEC 6299 (170:299). Research.

(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, 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, 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, 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, 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, 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, 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; 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, 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, 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, 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, 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, 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)

Course Descriptions

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 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, 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, 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 SOC 3411/5411 (980:167g))(Odd Springs)

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. 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, Spring)

PSYCH 6285 (400:285). Readings in Psychology — 1-3 hrs.

Individualized readings. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

PSYCH 6289 (400:289). Seminar. (Variable)**PSYCH 6299 (400:299). Research. (Fall, Spring, Summer)**

Course Descriptions

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): Prerequisite: 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, 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)

PUBPOL 6285 (950:285). Readings in Public Policy — 1-3 hrs.

Registration requires written consent of Program Director. (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 approach to the study of religion. (Variable)

RELS 3001 (640:141). Old Testament and Other Hebrew Scriptures — 3 hrs.

Introduction to history and ideas of Old Testament and other Hebrew scriptures. (Fall)

RELS 3002 (640:142). New Testament and Early Christian Writings — 3 hrs.

Introduction to history and ideas of New Testament and early Christian writings. (Spring)

RELS 3010 (640:110). 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 3020 (640:126). 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 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, Spring)

RELS 3103 (640:161). Religion, Magic, and Witchcraft — 3 hrs.

Anthropological understanding of behavior dealing with the supernatural; supernatural beliefs, practices, and movements throughout the world. (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 PHIL 3110 (650:194))(Fall, Spring)

RELS 3210 (640:130). Great Living Religions: Hinduism and Buddhism — 3 hrs.

Hinduism, Jainism, Buddhism, Islam. (Even Falls)

RELS 3220 (640:132). Confucianism, Daoism, and Zen — 3 hrs.

Daoism, Confucianism, Buddhism, Shintoism. (Odd Falls)

RELS 3230 (640:134). 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 3240 (640:136). Great Living Religions: Christianity — 3 hrs.

Introductory survey of development, beliefs, practices, and varieties of Christianity. (Even Springs)

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. (Same as HUM 3138 (680:138))(Variable)

Course Descriptions

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 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 PHIL 3510 (650:173))(Fall, Spring)

RELS 3520/5520 (640:175g). 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. Prerequisite(s): junior standing. (Same as PHIL 3530/5530 (650:175g))(Variable)

RELS 3540/5540 (640:174g). 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. Prerequisite(s): junior standing. (Same as PHIL 3540/5540 (650:174g))(Fall, Spring)

RELS 3550 (640:197). 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 3550 (650:197))(Variable)

RELS 4110/5110 (640:113g). 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. Prerequisite(s): junior standing. (Same as PHIL 4110/5110 (650:113g))(Variable)

RELS 4120/5120 (640:115g). 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. Prerequisite(s): junior standing. (Variable)

RELS 4130/5130 (640:158g). 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. Prerequisite(s): junior standing. (Odd Falls)

RELS 4140/5140 (640:154g). Myth and Symbol — 3 hrs.

Investigation of meaning and significance of religious myths and symbols, and theories used to study them. Prerequisite(s): junior standing. (Variable)

RELS 4150/5150 (640:162g). 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. Prerequisite(s): junior standing. (Variable)

RELS 4160/5160 (640:165g). 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. Prerequisite(s): junior standing. (Odd Springs)

RELS 4170/5170 (640:168g). Religion and Sexuality — 3 hrs.

Examination of ways in which religions shape and reflect ideas about the body and sexuality. Prerequisite(s): junior standing. (Variable)

RELS 4186/5186 (640:186g). Studies in Religion — 3 hrs.

Topics listed in Schedule of Classes. Prerequisite(s): junior standing. (Fall, 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 4320/5320 (640:152g). Existentialism — 3 hrs.

The unique contribution of existentialism to philosophy is its sustained focus on everyday life: the contradictions of human existence, the human body, the existence of others, and human freedom. Prerequisite(s): junior standing. (Same as PHIL 4320/5320 (650:152g))(Odd Falls)

RELS 4410. Senior Seminar in Religion — 3 hrs.

Through reflection, integration, and professional discernment, religion majors will bring their work in the major to critical integration, clarifying what they have done and linking their achievements with life goals. (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, Spring)

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 SLAV 3111/5111 (770:102g). 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 4090/5090 (770:190g). (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 through Continuing Education and Special Programs)

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 through Continuing Education and Special Programs)

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 through Continuing Education and Special Programs)

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 through Continuing Education and Special Programs)

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 through Continuing Education and Special Programs)

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 manual and automated systems and resource sharing. Examination of classification schemes and application of Dewey Decimal Classification and subject headings for school library catalogs. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): SLS 4114/5114 (350:114g) or consent of instructor. (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). Library Automation Systems and Networks — 3 hrs.

Technology applications and networks in school library programs, including library automation systems, search engines, and federated searching, as well as current and emerging technologies for school library programs. Prerequisite(s) or corequisite(s): SLS 4114/5114 (350:114g); SLS 4115/5115 (350:115g). (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 6285 (350:285). Individualized Readings — 1-3 hrs.

Directed study of specific issue or problem based on student's needs or aspirations. Prerequisite(s): written consent of instructor. (Variable)

SLS 6289 (350:289). Seminar — 2-6 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). (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, 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 majors only. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall, 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 majors only. Prerequisite(s): student must have satisfied university entrance requirements in English and Mathematics. (Fall, 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, Spring)

SCI ED 2300 (820:181). Investigations in Physical Science — 4 hrs.

Introduction to significant physical science concepts and models of effective teaching related to elementary school physical science. Continuation of concepts and processes in physics and chemistry that include electricity, magnetism, light, sound, solutions, acids and bases, changes in matter, and chemical bonding. Prerequisite(s): SCI ED 1300 (820:031). (Even Springs)

SCI ED 3100/5100 (820:130g). 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): EDPSYCH 2017 (200:017); EDPSYCH 2030 (200:030); major or minor in a science teaching program or consent of instructor. (Fall, 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): EDPSYCH 2017 (200:017); 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, 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. Can be repeated. Prerequisite(s): junior standing; consent of instructor. (Variable)

SCI ED 4198 (820:198). Independent Study. (Variable)

Course Descriptions

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): EDPSYCH 3128 (200:128); 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. (Fall, Spring, Summer)

SCI ED 6400 (820:270). Special Problems in Science Education — 1-6 hrs.

Problems selected according to needs of students. Prerequisite(s): consent of chairperson of Science Education Faculty. (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): EDPSYCH 3128 (200:128); EDPSYCH 3148 (200:148); MEASRES 3150 (250:150). (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 6234 (260:234). 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. (Fall)

SOCFOUND 6299 (260:299). Research. (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, Spring)

SOC SCI 1023 (900:023). American Civilization — 3 hrs.

Interdisciplinary study of American society as a culturally and socially diverse nation in a global context. Through an integration of history, literature, and the arts, the course analyzes major themes within the American past. (Variable)

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, 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, Spring)

SOC SCI 4190 (900:190). The Teaching of the Social Studies — 3 hrs.

Ordinarily should precede student teaching. Prerequisite(s): 12 hours in social science; senior standing. Corequisite(s): SOC SCI 4191 (900:191). (Variable)

SOC SCI 4191 (900:191). Field Experience: Teaching Social Studies — 1 hr.

Ordinarily precedes student teaching. Direct experiences in teaching grades 6-12 social studies. Focus on lesson and unit planning, classroom management, and teaching methods. Bi-weekly seminar. Offered on credit/no credit basis only. Prerequisite(s): 12 hours in social science; formal application; senior standing; consent of instructor. Corequisite(s): SOC SCI 4190 (900:190). (Variable)

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.

(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, 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, 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, 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.

Analysis of the principal social work methods — casework, group work, and community organization. Prerequisite(s): SW 1041 (450:041); SW 2042 (450:042) (may be corequisite); or consent of instructor. (Fall, 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 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, Spring)

SW 3189 (450:189). Readings in Social Work — 1-3 hrs.

May be repeated only with consent of department. Prerequisite(s): 6 hours in social work; consent of department. (Fall, Spring)

SW 3192 (450:192). Social Work Practice II — 3 hrs.

Intermediate level, generic social work practice theory and skills, and task-centered intervention. Prerequisite(s): Social Work major; completion of SW 2091 (450:091) with a minimum grade of C; minimum UNI GPA of 2.40. (Fall, 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)

Course Descriptions

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, Spring)

SW 4163/5163 (450:163g). Minority Group Relations — 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, Spring)

SW 4164/5164 (450:164g). Human Behavior and the Social Environment — 3 hrs.
Assessment of applicability of various perspectives of human behavior to social work diagnosis, planning, and intervention; general systems theory serves as organizing framework. Student should have a strong base of courses in human behavior. Prerequisite(s): FAM SERV 1055 (31F:055) or PSYCH 2202 (400:120); BIOL 1014 (840:014) or a course in biology; junior standing. (Fall, Spring)

SW 4171/5171 (450:171g). Addictions Treatment — 3 hrs.
Social, legal, political, and ethical considerations surrounding the use and abuse of alcohol and other drugs. Study of eating disorders and non-substance addictions such as shopping and gambling. Theories of causes and survey of social consequences; various intervention models tested in treating the alcoholic/addict and evaluation of the effectiveness of the treatment approaches. 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.
Social work practice and methods of delivering social service to the aged; critical analysis of current social programs, services, and legislation for the elderly person. 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, Spring)

SW 4193/5193 (450:193g). Therapeutic Communication — 3 hrs.
Human communication relevant to effective behavior change in the therapeutic relationship. Experiential learning in the core therapist facilitative conditions. Survey of approaches to practice. 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 once on different topic. 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.
Advanced study of planned social change within communities and organizations. Emphasis on social welfare agency environments and issues. Prerequisite(s): SW 3192 (450:192); junior standing. (Fall, Spring)

SW 6210 (450:210). Foundation Practicum I — 3 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 6211 (450:211). Foundation Practicum II — 5 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 6210 (450:210). (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): admission to graduate program in Social Work or written consent of instructor. (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.

Generalist social work practice model applied to macro systems: organizations and communities. Analysis of systems, macro practice issues, change strategies, impacts on human diversity populations at risk, and social and economic justice addressed in the context of social work values and ethics. Prerequisite(s): SW 6214 (450:214). (Spring)

SW 6218 (450:218). Introduction to Social Work Research — 3 hrs.

Overview of basic concepts used by social workers in applied research. Enables students to read and understand social work research literature and conduct basic social work research. 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, Summer)

SW 6219 (450:219). Social Welfare Policy and Services — 3 hrs.

History and current patterns of social welfare policy and services. Analysis of policies and policy-making process. History and philosophy of social work profession. Role of policy in maintenance or attainment of optimal health and well being and social and economic justice. Prerequisite(s): admission to graduate program in Social Work or written consent of instructor. (Fall)

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 6239 (450:239). Advanced Standing Graduate Seminar — 4 hrs.

Variable content covered in the first year of the program which is not typically addressed in accredited baccalaureate programs, and which prepares advanced standing graduate students for their entry into the second year of the M.S.W. program. Prerequisite(s): admission to graduate program in Social Work. (Summer)

SW 6240 (450:240). Advanced Micro Practice Practicum I — 5 hrs.

Fall semester practicum for second year M.S.W. Micro 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, Summer)

SW 6241 (450:241). Advanced Micro Practice Practicum II — 5 hrs.

Practicum placement for second year M.S.W. Micro 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 6240 (450:240). (Spring, Summer)

SW 6242 (450:242). Approaches to Advanced Micro Practice — 3 hrs.

Advanced social work assessment, planning, intervention and evaluation skills, familiarity with selected social work assessment and intervention systems, including person-in-environment and strengths perspectives, and relevant research on 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)

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. 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 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. 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 6250 (450:250). 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 6255 (450:255). Social Welfare Policy Analysis — 3 hrs.

Analysis of current social welfare policies and programs and the institutions designed to implement them. Overview of selected methods of policy analysis; detailed examination of one method of analysis. 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 6260 (450:260). Advanced Social Administration Practicum I — 5 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, Summer)

SW 6261 (450:261). Advanced Social Administration Practicum II — 5 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 6260 (450:260). (Spring, Summer)

Course Descriptions

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, and Contracting — 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. (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 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) or completion of SW 6239 (450:239). (Variable)

SW 6285 (450:285). Readings — 1-6 hrs.

Prerequisite(s): consent of instructor. (Fall, Spring)

SW 6289 (450:289). Graduate Seminar in Social Work — 3 hrs.

Advanced, in-depth exploration of a topic in social work practice, policy, research, or knowledge. May be repeated once on a different topic. Prerequisite(s): completion of first year of M.S.W. program, or graduation from a Council on Social Work Education accredited undergraduate curriculum. (Variable)

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, 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, 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, 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, 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.

Sociological and sociopsychological conceptualizations of the genesis, dynamics, and demise of modern social movements. Emphasis on reformist, utopian, nativistic, and totalitarian organizations. Prerequisite(s): SOC 1000 (980:001). (Variable)

SOC 2075 (980:100g). Social Psychology — 3 hrs.

Analysis of how people's thoughts, feelings, actions, and identities are influenced by social processes, interactions, and structures. Special attention to how people acquire, construct, and negotiate identities and how they are influenced by social realities of race, class, gender, and sexual orientation in these processes. Prerequisite(s): SOC 1000 (980:001). (Variable)

SOC 3001 (980:177). Language and Culture — 3 hrs.

Examination of how language use shapes and expresses cultural identity. Implications of linguistic diversity for world view, gender and ethnic identity, education, and cross-cultural communication. Prerequisite(s): PSYCH 1001 (400:001) or SOC 1000 (980:001) or ANTH 1002 (990:011). (Same as ANTH 3001 (990:177))(Spring)

SOC 3035/5035 (980:125g). Social Gerontology — 3 hrs.

Personal, interpersonal, and societal factors in the human aging process; emphasis on family, community, and governmental responsibility in defining and resolving problems of the aged in modern industrial society. Prerequisite(s): SOC 1000 (980:001); junior standing. (Fall)

SOC 3037/5037 (980:045g). Race, Ethnicity and Social Justice — 3 hrs.

The nature, origin, and consequences of race and ethnicity as sources of differentiation and inequality. Examines competing theories, the distribution of resources across groups, and social processes related to race, ethnicity, and social justice. Prerequisite(s): SOC 1000 (980:001); junior standing. (Variable)

SOC 3045/5045 (980:135g). Social Inequality — 3 hrs.

The nature, origins, and reproduction of social inequalities. Examines the distribution of resources across groups and the processes that create it. Covers class, race, gender, and sexuality, and their relationship to each other. Prerequisite(s): SOC 1000 (980:001); junior standing. (Spring)

SOC 3050/5050 (980:129g). Men and Masculinities — 3 hrs.

Examination of men's lives from boys to men in such roles as friends, lovers, co-workers, family members, students, athletes, consumers, and soldiers. Consideration of diversities of male experiences through such categories as race, ethnicity, religion, class, sexual orientation, age, physical ability, and appearance. Prerequisite(s): junior standing. (Variable)

SOC 3060/5060 (980:138g). Sociology of Culture — 3 hrs.

Culture permeates our lives, as a powerful and everyday force in society. Covers classical and contemporary theory, the high and popular culture debate, and the production and reception/consumption of culture. Prerequisite(s): SOC 1000 (980:001); junior standing. Prerequisite(s) or corequisite(s): SOC 2010 (980:108) (Spring)

SOC 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, 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)) (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; 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): 15 hours in sociology including SOC 2020 (980:080) and 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): 15 hours in sociology or consent of instructor; junior standing. (Variable)

SOC 3179 (980:179). Cooperative Education — 1-6 hrs.

Prerequisite(s): 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))(Odd Springs)

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)

Course Descriptions

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); junior standing. (Spring)

SOC 4198 (980:198). Independent Study — 1-3 hrs.

May be repeated with department head approval. Prerequisite(s): consent of instructor and department head. (Variable)

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)

SOC 6285 (980:285). Individual Readings — 1-3 hrs.

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 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 equivalent. (Fall, 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, 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, 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, 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 3050/5050 (780:150g) or equivalent. (Fall, Spring)

SPAN 3005 (780:105). Literary Miniatures — 3 hrs.

Introduction to analysis of short literary forms with application to pedagogy and translation of literature. Recommended for teaching majors. Prerequisite(s): SPAN 3001 (780:101) or SPAN 3050/5050 (780:150g) or equivalent. (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 3050/5050 (780:150g) or equivalent. (Fall, 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 3050/5050 (780:150g) or equivalent; junior standing. (Fall, 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 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 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 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 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 3001 (780:101) or SPAN 3050/5050 (780:150g) 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)

Course Descriptions

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 3001 (780:101) or SPAN 3050/5050 (780:150g); 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). Corequisite(s): LANG 4090/5090 (700:190g). (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 twice on different topic. (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. Offered only in conjunction with the Spanish institutes abroad. (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. Prerequisite(s): SPAN 3001 (780:101) or equivalent. (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, Spring)

SPED 4125/5125 (220:125g). Current Issues in Visual Impairments — 2 hrs.

Current issues in the education of students with visual impairments. Topics will include current research, historical context, students with additional disabilities and the impact of visual impairments on children and their families. Prerequisite(s): junior standing. (Variable)

SPED 4126/5126 (220:126g). Braille Learning and Tactile Communication I — 3 hrs.

Addresses issues in braille learning, literacy codes, and other methods of preparing braille materials along with instructional methods and strategies. Prerequisite(s): junior standing. (Variable)

SPED 4132/5132 (220:132g). Introduction to Visual Impairments — 3 hrs.

Overview of the field of visual impairments including types of services, placements, and instructional strategies along with legal, demographic, psychological, and historical perspectives of education for students with visual impairments. Hands-on experience through demonstration and simulation provides student with understanding and knowledge of educating students with visual impairments. Covers educational implications of students who are blind, as well as those who have low vision. Prerequisite(s): junior standing. (Variable)

SPED 4134/5134 (220:134g). Foundations of Orientation and Mobility — 3 hrs.

Focus on theory and learning of basic orientation and mobility skills and techniques by students with visual impairments. Students will gain understanding and knowledge about practical methods used for concept development, orientation skills, basic travel skills and techniques, and safe travel. Covers sighted guide techniques, electronic travel aids, and introduction to cane travel. Prerequisite(s): junior standing. (Variable)

SPED 4136/5136 (220:136g). Methods of Teaching Students with Visual Impairments — 3 hrs.

Covers assessment issues of students with visual impairments and instructional strategies applicable to students with visual impairments in all subject areas. Focus on expanded core curriculum for students with visual impairments. In conjunction with student teaching, provides students with opportunity to apply learned methods to teach students with visual impairments and assessment and instruction needs in real-life situations. Prerequisite(s): SPED 4132/5132 (220:132g); junior standing. (Variable)

SPED 4138/5138 (220:138g). Anatomy of the Eye and Educational Implications of Low Vision — 3 hrs.

Focus on basic structure of the eye and the visual system. Evaluation of the educational needs of specific visual disabilities along with assessment instruments and techniques, including discussion of functional vision assessment. Other topics include research in technology relevant to reading and writing with optical and non-optical devices, psycho-social implications of low vision conditions, curricular materials appropriate for students with low vision, and interpretation of ocular reports presented for specific visual disabilities. Prerequisite(s): SPED 4132/5132 (220:132g); junior standing. (Variable)

SPED 4140/5140 (220:140g). Services to Families with Infants and 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, 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, 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 4146/5146 (220:146g). Methodology and Assessment for Students with 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 4174/5174 (220:174g); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g). (Fall, Spring)

SPED 4147/5147 (220:147g). Methodology and Assessment for Students with Mild/Moderate 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 4174/5174 (220:174g); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g). (Fall)

SPED 4151/5151 (220:151g). Vocational and Transition Programming for Individuals with Disabilities — 3 hrs.

Development and implementation of work experience and other vocational programs for adolescents and adults with disabilities. Overview of the transition planning process and resources. Prerequisite(s): SPED 4174/5174 (220:174g); junior standing. Registration requires full admission to the Teacher Education Program. (Fall)

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)

Course Descriptions

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 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): junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4174/5174 (220:174g); SPED 4192/5192 (220:192g). (Fall, Spring)

SPED 4174/5174 (220:174g). Assessment and Instruction for Students with Mild Disabilities — 3 hrs.

Collection and use of educational data to assess and teach students with diverse learning needs, educational planning, material adaptation, and curriculum development. Prerequisite(s): SPED 3150 (220:150); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4170/5170 (220:170g); SPED 4192/5192 (220:192g). (Fall, Spring)

SPED 4176/5176. Issues and Applications for Students with Mild Moderate Disabilities — 3 hrs.

Provides information regarding special education law, assistive technology, and current issues and trends in special education. Prerequisite(s): SPED 4170/5170 (220:170g), SPED 4174/5174 (220:174g), SPED 4192/5192 (220:192g), or consent of instructor; junior standing. (Fall, Spring)

SPED 4180/5180. Interdisciplinary Study of Disability — 3 hrs.

Prerequisite(s): junior standing. (Fall, Spring)

SPED 4183/5183 (220:183g). Teaching Secondary-Level Students with Severe Disabilities — 3 hrs.

Instructional methods, materials, and assessment for secondary-level students with severe disabilities; emphasis on strategies to support students within the inclusive classroom and promote transition. Prerequisite(s): SPED 4167/5167 (220:167g); SPED 4174/5174 (220:174g); junior standing. Registration requires full admission to the Teacher Education Program. Corequisite(s): SPED 4192/5192 (220:192g) or consent of instructor. (Fall)

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, 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, Spring)

SPED 6240 (220:240). Collaborative Consultation I: The Relationship — 3 hrs.

Emphasis on the psychological and behavioral considerations involved in successfully forming and maintaining a collaborative consulting relationship. In-depth topics include self-management, personality style and versatility, starting the relationship, and establishing one's role with the group and individual. (Fall)

SPED 6245 (220:245). Collaborative Consultation II: The Process — 3 hrs.

Provides in-depth understanding and beginning execution of a systematic model of collaborative consulting including four processes or sets of procedures for carrying out the model. Emphasis on planning, problem clarification and analysis, teaching and teacher strategy, presenting solutions, and dealing with teacher concerns and fears. (Spring)

SPED 6254 (220:254). Vocational and Transition Assessment of Individuals with Disabilities — 3 hrs.

Assessment and application of techniques for professionals working with adolescents or adults with disabilities. Designed for those interested in vocational and transition programming for individuals with disabilities. Prerequisite(s): SPED 4151/5151 (220:151g) or consent of instructor. (Variable)

SPED 6256 (220:256). Best Practices in Inclusion — 3 hrs.

Provides preparation in pedagogical, curricular, and professional collaboration practices, and provides knowledge of empirical, legal, and historical considerations integral to the accommodation of all learners into the general education classroom. Prerequisite(s): graduate standing. (Variable)

SPED 6260 (220:260). Special Education Law and Policy — 3 hrs.

Provides information and conceptual understanding of legislative, executive, and judicial action affecting special education programs for children and youth with disabilities. Prerequisite(s): graduate standing. (Fall, 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). (Spring)

SPED 6290 (220:290). Practicum — 1-6 hrs.

Requires written consent of department. May be repeated for maximum of 9 hours. (Fall, 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. (Fall, 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, 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. Emphasis on applications appropriate for secondary school probability/statistics courses. No credit with credit in STAT 3770/5770 (800:172g)/5770 (800:172g). Prerequisite(s): MATH 1421 (800:061) (800:061). (Same as MATH 3751 (800:173))(Fall and Even Springs)

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) (800:061); junior standing. (Same as MATH 3752/5752 (800:152g))(Fall, 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, 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)/5752 (800:152g); junior standing. (Same as MATH 4754/5754 (800:154g))(Fall)

Course Descriptions

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) (800:062); MATH 2500 (800:076) (800:076), MATH 3752/5752 (800:152g)/5752 (800:152g). (Same as MATH 6746 (800:251))(Fall, 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) (800:062); STAT 1772 (800:072) (800:072). (Same as MATH 6747 (800:252))(Fall, 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) (800:062); MATH 2500 (800:076) (800:076); MATH 3752/5752 (800:152g)/5752 (800:152g). (Same as MATH 6748 (800:253))(Fall, 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 3132 (280:132). Early Childhood Teaching — 4-12 hrs.

Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall, Spring, Summer)

TEACHING 3134 (280:134). Elementary Teaching — 4-12 hrs.

Offered on credit/no credit basis only. Provides the student the opportunity to experience, in depth, the full role and meaning of teaching in a school setting. Experiences include planning and organizing for instruction, developing classroom teaching competencies and skills, evaluating pupil progress, participating in extra-class activities, working with special school personnel, and utilizing school and community resources in the instructional program. Prerequisite(s): completion of Levels I and II of the Professional Education Requirements. (Fall, 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, 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, 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, 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, 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, Spring)

TEACHING 3150 (280:150). Laboratory Practice - Elementary.

For experienced teachers who have not fulfilled the student teaching requirements for elementary certification and to provide an in-depth experience. Includes practice in modern teaching procedures, construction and use of classroom instructional materials, analysis of the teaching-learning process, meeting needs of diverse learners, classroom supervision, and community relations. Special seminar arranged. Requires departmental recommendation and consent. (Variable)

TEACHING 3151 (280:151). Laboratory Practice - Secondary.

For experienced teachers who have not fulfilled the student teaching requirements for secondary certification and to provide an in-depth experience. Includes practice in modern teaching procedures, construction and use of classroom instructional materials, analysis of the teaching-learning process, meeting needs of diverse learners, classroom supervision, and community relations. Special seminar arranged. Requires departmental recommendation and consent. (Variable)

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

Development of awareness of various societal subgroups, recognizing and dealing with dehumanizing biases, and learning to relate effectively to various groups in order to foster respect for human diversity. Emphasis on self-awareness in human relations issues and how this awareness can be translated into positive relationships with others and integrated into one's professional responsibilities. Prerequisite(s): full admission into teacher education; junior standing. (Fall, Spring, Summer)

TEACHING 4191/5191 (280:191g). Supervision of Student Teaching — 3 hrs.

Designed primarily for those presently or potentially involved in the supervision of student teachers. Includes the selection and preparation of student teachers; readiness for student teaching; principles of supervision, including the identification and analysis of good classroom procedures and desirable experiences for the student teacher in the total school program; professional responsibilities of the student teacher in the school and community; evaluation of student teachers, and the supervising teacher's role in the selection of teachers for the profession. Also includes the selection and preparation of student teaching centers, qualifications of supervising teachers, and the role of the coordinator of student teaching. Prerequisite(s): junior standing. (Variable)

TEACHING 6250 (280:250). Advanced Laboratory Practice — 2-12 hrs.

Student may concentrate on any aspect of the school program, such as curriculum, methods, evaluation, remedial instruction, guidance, supervision, administration, public school relations, information and communication technologies, and co-curricular activities. Requires consent of the Head of Department of Teaching. (Fall, Spring, Summer)

Technology Courses (TECH)

Courses

TECH 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)

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). (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, 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. (Variable)

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)

Course Descriptions

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, Spring)

TECH 1019 (330:019). Introduction to Technology Education and Training — 3 hrs.

Evolution and contemporary approaches in technology education and training. Examination of career opportunities. (Fall)

TECH 1022 (330:022). Communication Technology — 4 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, Spring)

TECH 1024 (330:024). Technical Drawing and Design I — 3 hrs.

Fundamentals of product design process, development of engineering drawings geometric constructions, multi-view projections, section views, auxiliary view, (pictorials) using 2D drafting software. Use of 3D CAD techniques for design of parts/components. Prerequisite(s): TECH 1017 (330:017) or equivalent. (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 1150 (800:048) or MATH 1420 (800:060); or consent of instructor. (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 — 4 hrs.

Overview of concepts and practices for printing processes and technologies for print reproduction. Topics covering industrial printing practices, finishing and binding techniques, with an emphasis on individual and collaborative projects. Includes lecture and lab. (Fall, 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, 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)

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 1150 (800:048) or MATH 1420 (800:060). (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 1150 (800:048) or MATH 1420 (800:060). (Fall)

TECH 2043 (330:043). Managing 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, Spring)

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. (Spring)

TECH 2070 (330:070). Digital Prepress — 3 hrs.

Desktop composition, publishing technologies for developing prepress in a digital environment. Computer design/layout of publications including typography, color management, system configurations and applications. Collaborative projects in publications. Prerequisite(s): TECH 1055 (330:055). (Fall, 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. (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, 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 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 2024 (330:023); 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); junior standing or consent of instructor. (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 Education Curriculum Planning — 3 hrs.

Development of programs and courses for technology 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)

Course Descriptions

TECH 3127 (330:127). Transport Phenomena for Technologists — 3 hrs.

Application of fluid flow, heat transfer, and diffusion mass transport concepts to material processing including presentation of conduction, convection, radiation, Bernoulli's principles, turbulent flow, and Fick's first and second law of diffusion. Prerequisite(s): TECH 1008 (330:008); TECH 1010 (330:010); TECH 2024 (330:023); TECH 1024 (330:024); TECH 2043 (330:043); TECH 2060 (330:060); TECH 2072 (330:072); TECH 2080 (330:080); 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. (Spring)

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, Spring)

TECH 3132 (330:132). Applied Metallurgy — 3 hrs.

Advanced principles of metallurgy, properties, microstructural analysis, heat treatment, testing, and inspection of metals and alloys used in manufacturing. Lecture and lab. Prerequisite(s): TECH 1008 (330:008); TECH 1010 (330:010); 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. (Fall)

TECH 3134 (330:134). Molding Practices in Metal Casting — 3 hrs.

Study of molding practices used in contemporary metal casting. Prerequisite(s): TECH 1008 (330:008); TECH 1010 (330:010); TECH 2024 (330:023); TECH 1024 (330:024); TECH 2043 (330:043); TECH 2060 (330:060); TECH 2072 (330:072); TECH 2080 (330:080); 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. (Variable)

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); MATH 1150 (800:048) or MATH 1420 (800:060); PHYSICS 1511 (880:054) or PHYSICS 1701 (880:130); 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, 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). (Spring)

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): TECH 1008 (330:008); TECH 1010 (330:010); TECH 2024 (330:023); TECH 1024 (330:024); TECH 2043 (330:043); TECH 2060 (330:060); TECH 2072 (330:072); TECH 2080 (330:080); 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. (Fall)

TECH 3149 (330:149). Construction Estimating — 3 hrs.

Construction cost analysis techniques for estimating materials, labor, equipment, and subcontracting costs in commercial building construction. Prerequisite(s): TECH 1018 (330:018); TECH 1025 (330:025); TECH 2045 (330:045). Prerequisite for Construction Management majors: student must have a minimum UNI GPA of 2.20 to take 3000/4000-level construction management courses or student will be dropped. Corequisite(s): TECH 4124/5124 (330:124g). (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); 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). Microcomputer Applications — 3 hrs.
Microcomputer 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 Prepress — 3 hrs.
Development, layout, and content management of single and complex color publications in a digital workflow environment. Lecture and hands-on collaborative group work and individual projects for prepress, packaging, and variable data print projects. 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): TECH 1008 (330:008); TECH 1010 (330:010); TECH 2024 (330:023); TECH 1024 (330:024); TECH 2043 (330:043); TECH 2060 (330:060); TECH 2072 (330:072); TECH 2080 (330:080); 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. (Variable)

TECH 3180 (330:180). Lean Manufacturing — 3 hrs.
Introduction to lean manufacturing systems and concepts - basic philosophy of reducing waste to improve quality, reduce cost and production time. Topics include: history of lean, lean philosophy 5S/7W, work measurement and methods improvement, job/machine scheduling, line balancing, Kanban/ConWIP systems, pull systems, just-in-time manufacturing, value stream mapping. Prerequisite(s): TECH 2043 (330:043); 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.
Basic methods of identifying, analyzing, selecting, and organizing instructional content for career and technical programs. 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. (Fall)

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)

Course Descriptions

TECH 3190/5190 (330:190g). Technology Education Teaching Methods — 3 hrs.

Methods of teaching in technology 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): TECH 4178/5178 (330:178g); 12 semester hours in Department of Technology. (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 (330:132); junior standing. (Spring)

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 thenbsp; Occupational Safety and Health Administration (OSHA). Emphasis on developing and implementing a comprehensive safety and health program. Prerequisite(s): sophomore standing. (Fall, 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); junior standing. (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; 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)

TECH 4136 (330:136). Melting Practices in Metal Casting — 3 hrs.

Advanced course in the principles of metal melting systems including selection of furnace types, charge materials, refractory lining applications, energy recovery, and environmental considerations. Prerequisite(s): TECH 1008 (330:008); TECH 1010 (330:010); TECH 2024 (330:023); TECH 1024 (330:024); TECH 2043 (330:043); TECH 2060 (330:060); TECH 2072 (330:072); TECH 2080 (330:080); 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. (Fall)

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, advanced polymer materials, and design of permanent mold tooling, as well as basic core box production techniques. Prerequisite(s): TECH 1008 (330:008); TECH 1010 (330:010); TECH 2024 (330:023); TECH 1024 (330:024); TECH 2043 (330:043); TECH 2060 (330:060); TECH 2072 (330:072); TECH 2080 (330:080); 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. (Variable)

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 1008 (330:008); TECH 1010 (330:010); TECH 1024 (330:024); TECH 2024 (330:023); TECH 2043 (330:043); TECH 2060 (330:060); TECH 2072 (330:072); TECH 2080 (330:080); 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. (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, 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, 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. (Variable)

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) (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) (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 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 2043 (330:043) or TECH 3131/5131 (330:131g); junior standing. (Fall, Spring)

Course Descriptions

TECH 4188/5188. 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 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 Education Program Management — 3 hrs.

Design of safe and effective facilities for technology 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 6100. Engineering Cost Analysis — 3 hrs.

Principles of economic factors in engineering project evaluation, planning and implementation. Engineering decision analysis, money-time relationships, measures of investment, break-even method, cost-benefit ratio, risk management. Engineering projects analyzed/justified. Prerequisite(s): admission to Graduate Program or consent of instructor. (Fall)

TECH 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. (Spring)

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 6234 (330:234). Advanced Engineering Materials — 3 hrs.

In-depth emphasis of engineering materials focusing on the properties influencing processing and applications of metals, ceramics, composites, and polymers. Also includes discussion on high temperature materials and innovative new materials. Prerequisite(s): admission to Department of Technology graduate program and consent of instructor. (Spring)

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. (Fall)

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. (Spring)

TECH 6258 (330:258). Total Quality Management — 3 hrs.

Managerial, technological, behavioral, and statistical concepts applied to total quality management. Quality management philosophies, continuous improvement, productivity, and issues affecting quality that apply to manufacturing, service, and technological organizations. Prerequisite(s): program approval and advisor endorsement, or approval of instructor. (Fall)

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.

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. (Fall)

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). Field Study in Industrial Technology: Masters Internship — 3 hrs.

Supervised practicum in an industrial organization, public service agency, or education setting. A proposal must be approved by department advisor and setting supervisor prior to registration. Prerequisite(s): limited to master's degree candidates; program approval and advisor endorsement. (Variable)

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.

Research problem and purpose, value of literature review, research proposal elements, quantitative and qualitative research methodologies, measurement of data and statistical methods, reporting of research and evaluating. (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. (Spring)

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): MGMT 3153 (150:153) or TECH 2043 (330:043); TECH 4187/5187 (330:187g); or consent of instructor. (Spring)

TECH 6299 (330:299). Research (Master's Thesis).

(Fall, Spring)

TECH 7300 (330:300). DIT Post Comprehensive Registration.

(Fall, Spring)

TECH 7375 (330:375). Developments in Technology — 3 hrs.

Technological innovations and development of manufacturing, production, communication, and power systems and their impact on people, society and the environment from early history to today, and the future. 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). Readings in Technology and Society — 3 hrs.

Current readings on technology and society; emphasis on analysis and discussion of the issues. Prerequisite(s): admission to Doctor of Technology program or consent of instructor. (Fall)

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 — 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, 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, Spring)

TESOL/Applied Linguistics Courses (TESOL)

Courses

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)(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, 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, 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, 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 English 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)

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 4740/5740 (630:193g). TESOL I: Methods and Approaches — 3 hrs.

Historical background of Teaching English to Speakers of Other Languages and overview of teaching approaches; teaching the four skills of listening, speaking, reading, and writing. 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). TESOL II: Pedagogical Strategies — 3 hrs.

Lesson planning, materials design and adaptation, materials evaluation, classroom assessment, and curriculum planning for Teaching English to Speakers of Other Languages. Prerequisite(s): junior standing. Prerequisite(s) or corequisite(s): TESOL 4120/5120 (630:125g) or TESOL 4110/5110 (630:130g). (Variable)

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, Spring)

TESOL 6297 (630:297). TESOL Practicum.

Graduate-level student teaching of English as a second language. Prerequisite(s): consent of instructor. (Fall, Spring)

TESOL 6299 (630:299). Research.
(Fall, 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 1001 (31T:020). Introduction to the Textile and Apparel Industry — 3 hrs.
Overview of the structure of the textile and apparel industry. (Fall, Spring)

TEXDSGN 1002 (31T:013). Introduction to Textile Materials — 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, 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 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 1001 (31T:020) (Variable)

TEXDSGN 3012 (31T:122). Apparel Product Development, Planning and Design — 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)

Course Descriptions

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); TEXDSGN 1001 (31T:020); 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. Arranged lab required. (Fall, Spring)

THEATRE 1010 (490:010). Creativity and Performance — 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, Spring)

THEATRE 1011 (490:011). Creativity and Performance 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, 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 mainstage season plays. Discussion, 3 periods; lab, 3 periods. Lab fee. (Fall, 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 mainstage season plays. Discussion 3 periods, lab 3 periods. Lab fee. (Fall, 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, Spring)

THEATRE 1030 (490:024). Acting — 3 hrs.

Introduction to the craft of acting beginning with exercises and culminating in applying the experience of those exercises to a scene from a play. Exploration of increasing self-awareness. Discussion, 3 periods; lab, 3 periods. Prerequisite(s): for Theatre majors: THEATRE 1010 (490:010); THEATRE 1011 (490:011) (Fall, 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 1030 (490:024) or consent of instructor. (Fall)

THEATRE 2040 (490:040). Design Elements for Theatre — 3 hrs.

Introduction to the language of design as applied to theatre. Explores studio applications of the elements and principles of design to theatre-specific rendering techniques and design projects. Discussion, 3 hours; lab, 3 hours. Prerequisite(s): for Theatre majors: THEATRE 1010 (490:010); THEATRE 1011 (490:011). 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, 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); declaration of an area emphasis or consent of the department. (Variable)

THEATRE 2110. 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. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011). (Variable)

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 2110. (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 2110; 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 1020 (490:020); 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 8 hours. Prerequisite(s): junior standing; consent of supervising instructor. (Fall, 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). 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). Prerequisite(s) for other students: consent of instructor. (Spring)

THEATRE 3080/5080 (490:137g). History of the Theatre III — 3 hrs.

Examination of plays, production methods, and historical trends in the theatre. Sections may examine African American Theatre History, American Theatre History, Modern European Theatre History (1900-present), Feminist Theatre, and Period Styles in Theatre Design. May be repeated for maximum of 9 hours. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 3060 (490:135); THEATRE 3070 (490:136); 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, 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 1030 (490:024); THEATRE 3003 (490:122); THEATRE 3060 (490:135); THEATRE 3070 (490:136); or consent of instructor; junior standing. (Fall)

THEATRE 3125/5125 (490:127g). Acting Studio — 3 hrs.

Reinforces craft skills and focuses on individual problems through prescriptive scene work and exercises. Performance area emphasis students must take this course twice. May be repeated up to three times for credit. Discussion, 3 periods; lab 3 periods. Prerequisite(s): THEATRE 1010 (490:010); THEATRE 1011 (490:011); THEATRE 1030 (490:024); junior standing; consent of instructor. (Variable)

THEATRE 3135/5135 (490:129g). Stage Combat — 2 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, 2 periods; lab, 2 periods. Prerequisite(s): junior standing. (Spring)

THEATRE 3139 (490:140). Production Techniques — 3 hrs.

Project work in one of two advanced skill groups: drafting and pattern development for the theatre, or scene painting and make up for the theatre. May be repeated in different areas for a maximum of 12 credits. Lab fee. Prerequisite(s): for Theatre majors: 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 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 2040 (490:040); THEATRE 3139 (490:140) (Drafting); sophomore standing. (Variable)

Course Descriptions

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 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. May be repeated for maximum of 6 hours. Prerequisite(s): for Theatre majors: 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 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): 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); 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) or consent of instructor; junior standing. Prerequisites for other students: consent of instructor; junior standing. (Spring)

THEATRE 3199 (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. (Variable)

United States History Courses (HISUS)

Courses

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, 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, 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 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)

Course Descriptions

UNIV 2196 (010:196). Honors Seminar — 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 4197 (010:197). Honors Thesis — 1-3 hrs.

Development and approval of thesis topic followed by completion of thesis and public presentation. May be repeated for maximum of 3 hours. Some sections may be restricted to University Honors students. Prerequisite(s): senior standing or consent of instructor. (Variable)

UNIV 4555. Interactive Digital Studies Practicum — 3 hrs.

Examines tools/methodologies involved in the production of interactive media. Students will study development models in a real-world setting; work with involved clients; develop new technology skills; and as a single class, consultatively produce a major interactive project. Prerequisite(s): COMM 2555 (48C:025); COMM 4544/5544 (48C:120g); COMM COR 1010 (48J:002); two completed IDS Bundles; or consent of instructor. (Spring)

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, 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 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 6290 (680:290). Introduction to Graduate Research in Women's and Gender Studies — 1 hr.

Introduction to library research strategies and development of thesis proposal. (Spring)

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